Ente Nazionale per l'Aviazione Civile

AEROPORTO CIVILE DI LAMEZIA TERME (CZ)

LOTTO L1 - Sviluppo aerostazione passeggeri
CUP: H84G22000030009
LOTTO L2 - Interventi per la security e la digitalizzazione
CUP: H86I22000390002
LOTTO L6 - Potenziamento delle reti di sottoservizi e impianti tecnologici
CUP: H84G22000060009

PROGETTO ESECUTIVO

LOTTO L1

TERMINAL PARTENZE
TABULATI DI CALCOLO

GRUPPO DI PROGETTAZIONE
Raggruppamento Temporaneo
di Professionisti

TECHNITAL
Direttore Tecnico e Responsabile integrazione prestazioni specialistiche: ing. Filippo Busola
Geologia: dott. Emanuele. Fresia
Progettazione idraulica: ing. A. Cacciatori
Project Manager: ing. Emanuela Perina
CSP: arch. Elisabeth Foroni

ETS Engineering and Technical Services S.p.A.
Direttore Tecnico: ing. Giambattista Parietti
Progettazione Specialistica Impianti:
ing. M. Bergami
ing. D. Togni
ing. E. Facchinetti

AERTEC
Direttore tecnico:
Ing. Aeronaut. Carlos Berenguer López
Responsabile sistemi di trasporto:
Ing. Pedro Tena Calderón

VALLE 3.0
Direttore tecnico: arch. E. Valle
Progettazione architettonica:
arch. Maria Camilla Valle
arch. Leonardo Giovannozzi

incide
Direttore tecnico e progettazione strutturale:
ing. Gianluca Vallerini
Coordinatore progettazione strutture:
ing. Matteo Pagnozzi

CODICE ELABORATO								REVISIONE		
Fase	Lotto	Ambito	Discip	Tipo	Num	Rev	Scala	Id.	Data	Descrizione
E	L1	01	STR	RE	05	A	--	A	MAGGIO 2025	Recepimento indicazioni Ente di Verifica
								B		
								C		
								D		
NOME FILE	AI015P-E-L1-01-STR-RE-05-A							REDAZIONE		Ing. M. Piovesan

Visto del Committente: **Società Aeroportuale Calabrese S.p.A.**

INTERVENTO FACENTE PARTE DEL	IL RESPONSABILE DEL PROCEDIMENTO:	IL POST HOLDER DI AREA:
Contratto Istituzionale di Sviluppo "CIS VOLARE"	Ing. Ferdinando Saracco	OPERATIONAL SERVICES MANAGER: Emilio Parrilla PASSENGER EXPERIENCE MANAGER: Sabrina Mileto PH PROGETTAZIONE: Ferdinando Saracco

Approvazione **ENAC**:

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1. FONDAZIONI
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5. SALA FUMATORI ESTERNA
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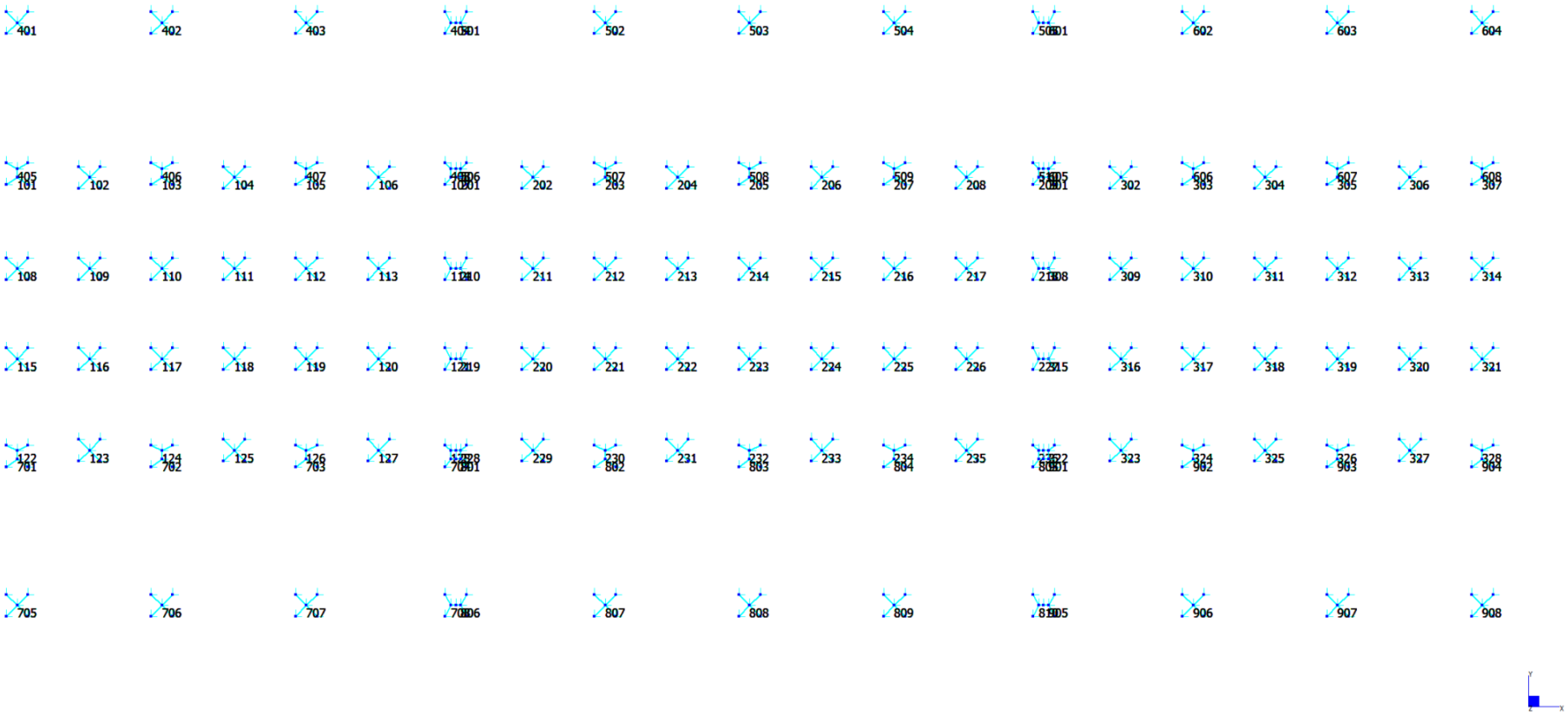
7. CORPI HALL INGRESSO
8. BUSSOLE D'INGRESSO

1. FONDAZIONI

TABULATI DI CALCOLO FONDAZIONI

Riferimenti ID Node



Coordinate nodi al piede strutture in elevazione

ID	X (m)	Y (m)	Z (m)	ID	X (m)	Y (m)	Z (m)	ID	X (m)	Y (m)	Z (m)
101	0.00	58.75	-0.50	201	61.30	58.75	-0.50	229	71.30	21.25	-0.50
102	10.00	58.75	-0.50	202	71.30	58.75	-0.50	230	81.30	21.25	-0.50
103	20.00	58.75	-0.50	203	81.30	58.75	-0.50	231	91.30	21.25	-0.50
104	30.00	58.75	-0.50	204	91.30	58.75	-0.50	232	101.30	21.25	-0.50
105	40.00	58.75	-0.50	205	101.30	58.75	-0.50	233	111.30	21.25	-0.50
106	50.00	58.75	-0.50	206	111.30	58.75	-0.50	234	121.30	21.25	-0.50
107	60.00	58.75	-0.50	207	121.30	58.75	-0.50	235	131.30	21.25	-0.50
108	0.00	46.25	-0.50	208	131.30	58.75	-0.50	236	141.30	21.25	-0.50
109	10.00	46.25	-0.50	209	141.30	58.75	-0.50	301	142.60	58.75	-0.50
110	20.00	46.25	-0.50	210	61.30	46.25	-0.50	302	152.60	58.75	-0.50
111	30.00	46.25	-0.50	211	71.30	46.25	-0.50	303	162.60	58.75	-0.50
112	40.00	46.25	-0.50	212	81.30	46.25	-0.50	304	172.60	58.75	-0.50
113	50.00	46.25	-0.50	213	91.30	46.25	-0.50	305	182.60	58.75	-0.50
114	60.00	46.25	-0.50	214	101.30	46.25	-0.50	306	192.60	58.75	-0.50
115	0.00	33.75	-0.50	215	111.30	46.25	-0.50	307	202.60	58.75	-0.50
116	10.00	33.75	-0.50	216	121.30	46.25	-0.50	308	142.60	46.25	-0.50
117	20.00	33.75	-0.50	217	131.30	46.25	-0.50	309	152.60	46.25	-0.50
118	30.00	33.75	-0.50	218	141.30	46.25	-0.50	310	162.60	46.25	-0.50
119	40.00	33.75	-0.50	219	61.30	33.75	-0.50	311	172.60	46.25	-0.50
120	50.00	33.75	-0.50	220	71.30	33.75	-0.50	312	182.60	46.25	-0.50
121	60.00	33.75	-0.50	221	81.30	33.75	-0.50	313	192.60	46.25	-0.50
122	0.00	21.25	-0.50	222	91.30	33.75	-0.50	314	202.60	46.25	-0.50
123	10.00	21.25	-0.50	223	101.30	33.75	-0.50	315	142.60	33.75	-0.50
124	20.00	21.25	-0.50	224	111.30	33.75	-0.50	316	152.60	33.75	-0.50
125	30.00	21.25	-0.50	225	121.30	33.75	-0.50	317	162.60	33.75	-0.50
126	40.00	21.25	-0.50	226	131.30	33.75	-0.50	318	172.60	33.75	-0.50
127	50.00	21.25	-0.50	227	141.30	33.75	-0.50	319	182.60	33.75	-0.50
128	60.00	21.25	-0.50	228	61.30	21.25	-0.50	320	192.60	33.75	-0.50

ID	X (m)	Y (m)	Z (m)
321	202.60	33.75	-0.50
322	142.60	21.25	-0.50
323	152.60	21.25	-0.50
324	162.60	21.25	-0.50
325	172.60	21.25	-0.50
326	182.60	21.25	-0.50
327	192.60	21.25	-0.50
328	202.60	21.25	-0.50
401	0.00	80.00	-0.50
402	20.00	80.00	-0.50
403	40.00	80.00	-0.50
404	60.00	80.00	-0.50
405	0.00	60.00	-0.50
406	20.00	60.00	-0.50
407	40.00	60.00	-0.50
408	60.00	60.00	-0.50
501	61.30	80.00	-0.50
502	81.30	80.00	-0.50
503	101.30	80.00	-0.50
504	121.30	80.00	-0.50
505	141.30	80.00	-0.50
506	61.30	60.00	-0.50
507	81.30	60.00	-0.50
508	101.30	60.00	-0.50
509	121.30	60.00	-0.50
510	141.30	60.00	-0.50
601	142.60	80.00	-0.50
602	162.60	80.00	-0.50
603	182.60	80.00	-0.50
604	202.60	80.00	-0.50

ID	X (m)	Y (m)	Z (m)
605	142.60	60.00	-0.50
606	162.60	60.00	-0.50
607	182.60	60.00	-0.50
608	202.60	60.00	-0.50
701	0.00	20.00	-0.50
702	20.00	20.00	-0.50
703	40.00	20.00	-0.50
704	60.00	20.00	-0.50
705	0.00	0.00	-0.50
706	20.00	0.00	-0.50
707	40.00	0.00	-0.50
708	60.00	0.00	-0.50
801	61.30	20.00	-0.50
802	81.30	20.00	-0.50
803	101.30	20.00	-0.50
804	121.30	20.00	-0.50
805	141.30	20.00	-0.50
806	61.30	0.00	-0.50
807	81.30	0.00	-0.50
808	101.30	0.00	-0.50
809	121.30	0.00	-0.50
810	141.30	0.00	-0.50
901	142.60	20.00	-0.50
902	162.60	20.00	-0.50
903	182.60	20.00	-0.50
904	202.60	20.00	-0.50
905	142.60	0.00	-0.50
906	162.60	0.00	-0.50
907	182.60	0.00	-0.50
908	202.60	0.00	-0.50

Carichi al nodo per le diverse combinazioni

Combinazione SLU_N1

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	-66.67	8.98	-2170.63	-13.24	-92.47	0.00
102	-5.97	8.48	-3000.67	-12.69	-20.70	0.00
103	14.39	-4.38	-2062.29	3.10	6.53	0.00
104	-8.36	10.62	-2176.44	-14.68	-20.37	0.00
105	-0.23	17.37	-2149.66	-23.34	-13.91	0.00
106	-11.31	14.65	-2849.03	-20.18	-27.01	0.00
107	56.71	17.58	-1735.51	-28.23	67.17	0.00
108	-99.55	0.85	-2231.07	-3.01	-128.16	0.00
109	-5.49	3.23	-4446.20	-6.49	-20.07	0.00
110	8.04	9.39	-3055.62	-13.19	-0.94	0.00
111	-4.11	2.56	-3471.65	-5.79	-18.43	0.00
112	-2.51	3.57	-2660.44	-6.38	-13.41	0.00
113	-15.15	1.72	-2729.18	-4.23	-28.35	0.00
114	169.59	1.80	-2442.63	-5.60	229.19	0.00
115	-130.58	-1.31	-2908.03	-1.07	-167.93	0.00
116	-3.92	-2.90	-3434.31	1.38	-15.04	0.00
117	11.48	-11.87	-3980.40	11.33	0.05	0.00
118	-2.68	-1.01	-2591.81	-0.92	-13.57	0.00
119	-2.56	-2.56	-2579.94	0.87	-13.42	0.00
120	-19.72	-0.87	-3444.06	-1.82	-36.84	0.00
121	130.37	-0.24	-1798.09	-1.97	176.22	0.00
122	-47.70	-5.94	-1672.61	5.01	-66.76	0.00
123	-5.01	-4.42	-2304.88	3.18	-16.28	0.00
124	12.91	5.15	-2062.91	-8.17	4.91	0.00
125	-7.69	-11.03	-2161.17	10.92	-19.45	0.00
126	-0.64	-13.12	-1647.67	13.35	-11.11	0.00

127	-8.27	-11.59	-2174.68	11.52	-20.14	0.00
128	43.17	-12.32	-1331.28	15.36	51.15	0.00
201	-51.50	15.70	-1706.48	-22.19	-74.56	0.01
202	15.46	13.32	-2372.40	-15.74	17.63	0.01
203	3.48	14.73	-1672.98	-17.71	3.47	0.01
204	1.05	14.36	-1860.19	-17.57	0.59	0.01
205	-6.16	15.09	-1671.04	-18.75	-7.92	0.01
206	-12.34	13.78	-2345.44	-17.50	-15.24	0.01
207	-4.18	17.14	-2107.98	-21.77	-5.59	0.01
208	-4.64	14.17	-2855.98	-18.57	-6.13	0.01
209	59.94	16.46	-1731.75	-25.82	85.33	0.01
210	-179.86	0.89	-2356.33	-0.94	-258.33	0.01
211	58.67	4.68	-3086.14	-5.52	69.11	0.01
212	-5.81	7.34	-2619.15	-8.97	-7.13	0.01
213	0.13	5.89	-2652.52	-7.57	-0.11	0.01
214	3.95	6.90	-2625.04	-9.06	4.40	0.01
215	-44.89	4.25	-3009.12	-6.23	-53.35	0.01
216	5.00	5.19	-3481.16	-7.65	5.64	0.01
217	-14.56	1.92	-3544.18	-4.08	-17.48	0.01
218	174.80	1.54	-2338.70	-4.41	250.52	0.01
219	-175.04	-0.71	-2339.72	1.35	-251.02	0.01
220	15.05	0.45	-3539.98	-0.51	17.91	0.01
221	-1.82	-0.26	-3449.78	0.02	-2.04	0.01
222	0.23	2.11	-3468.42	-3.09	0.38	0.01
223	0.25	0.05	-3460.97	-0.96	0.41	0.01
224	-1.18	0.85	-3471.06	-2.21	-1.28	0.01
225	2.54	-3.75	-3461.29	2.92	3.12	0.01
226	-14.01	-1.16	-3444.86	-0.44	-16.45	0.01
227	173.86	0.16	-2337.64	-2.43	249.56	0.01
228	-58.68	-17.64	-1726.41	25.64	-83.68	0.01
229	3.23	-18.11	-2832.00	21.43	4.31	0.01
230	-0.76	-20.17	-2145.56	23.56	-0.41	0.01
231	0.86	-17.12	-2799.30	19.65	1.51	0.01

232	0.19	-19.15	-2140.84	21.75	0.72	0.01
233	-0.52	-16.67	-2798.69	18.51	-0.12	0.01
234	1.18	-18.40	-2142.00	20.25	1.89	0.01
235	-2.85	-15.55	-2827.26	16.57	-2.87	0.01
236	58.91	-16.48	-1726.28	21.45	85.04	0.01
301	-64.54	13.55	-1603.03	-14.29	-101.77	0.19
302	10.04	13.98	-2589.36	-19.27	3.07	0.13
303	-13.60	18.85	-1947.06	-32.70	-24.89	0.13
304	9.58	18.97	-2453.77	-40.53	2.53	0.13
305	-139.27	-13.17	-3089.07	-10.21	-173.49	0.13
306	-2.74	5.33	-1417.88	-70.54	-34.77	0.21
307	225.63	-0.25	-2515.12	-40.85	258.00	0.13
308	-158.22	-1.18	-2218.07	6.85	-226.18	0.19
309	13.73	3.55	-3224.71	-6.93	17.04	0.13
310	-1.29	8.30	-3148.14	-20.23	-0.72	0.13
311	-0.70	7.73	-3158.11	-27.25	-0.03	0.13
312	-9.06	12.28	-3575.17	-40.31	-9.91	0.13
313	1.82	-53.32	-4073.62	29.58	2.95	0.13
314	114.46	7.00	-2587.69	-49.43	136.15	0.13
315	-155.48	-3.93	-2128.94	10.80	-212.24	0.19
316	16.65	-1.50	-3225.21	-0.96	30.10	0.13
317	3.01	-0.53	-3140.39	-9.79	13.96	0.13
318	2.61	3.78	-3066.07	-22.57	13.49	0.13
319	-6.55	-4.82	-3572.44	-20.08	2.66	0.13
320	4.65	8.35	-3962.34	-43.35	15.90	0.13
321	114.26	8.25	-2596.31	-50.91	145.51	0.13
322	-48.21	-17.89	-1571.66	30.82	-48.34	0.19
323	12.43	-14.96	-2574.16	14.95	34.70	0.13
324	3.85	-13.49	-1950.32	5.54	24.56	0.13
325	11.63	-6.54	-2553.46	-10.36	33.76	0.13
326	-10.55	5.54	-2400.13	-32.34	7.54	0.13
327	8.86	-5.07	-2659.32	-27.48	30.48	0.13
328	57.02	-4.90	-1939.75	-35.36	87.44	0.13

401	-10.82	1.95	-1758.80	-19.20	-104.95	-6.92
402	1.26	1.97	-2260.88	-21.05	12.26	2.06
403	-1.71	1.38	-2247.81	-15.12	-16.58	-1.64
404	10.79	1.66	-1751.38	-16.28	104.68	7.94
405	-3.06	-1.05	-1655.29	15.11	-38.54	-5.16
406	-0.20	-2.47	-2025.10	31.43	-2.50	0.87
407	-0.59	-2.41	-2165.02	30.44	-7.39	-1.18
408	4.32	-1.02	-1740.76	14.85	54.40	7.75
501	-11.30	2.10	-1749.04	-20.61	-109.61	-7.86
502	0.70	1.30	-2264.03	-14.59	6.79	1.19
503	0.00	1.70	-2165.32	-17.19	0.00	0.00
504	-0.70	1.30	-2264.03	-14.59	-6.79	-1.19
505	11.30	2.10	-1749.04	-20.61	109.61	7.86
506	-4.60	-0.80	-1741.22	12.08	-58.01	-7.76
507	0.32	-2.39	-2165.95	30.05	3.98	1.01
508	0.00	-2.11	-2081.81	27.97	0.00	0.00
509	-0.32	-2.39	-2165.95	30.05	-3.98	-1.01
510	4.60	-0.80	-1741.22	12.08	58.01	7.76
601	-10.94	1.68	-1751.44	-16.47	-106.11	-7.95
602	1.57	1.39	-2247.93	-15.21	15.22	1.63
603	-1.38	1.86	-2260.39	-20.01	-13.36	-2.06
604	11.47	2.11	-1759.11	-20.86	111.28	9.07
605	-4.43	-1.02	-1740.82	14.78	-55.88	-7.77
606	0.48	-2.41	-2165.08	30.46	6.06	1.18
607	0.10	-2.53	-2024.82	32.12	1.31	-0.87
608	3.13	-1.09	-1655.44	15.62	39.37	6.74
701	-3.82	-0.41	-1660.01	2.83	-43.54	5.89
702	-0.60	1.95	-2082.02	-21.86	-6.85	0.19
703	-0.70	2.50	-2240.80	-27.24	-7.99	1.52
704	5.50	-0.38	-1755.08	2.26	62.64	-12.33
705	-26.00	-3.53	-1681.06	19.27	-140.39	7.17
706	-0.08	1.05	-2197.60	-4.53	-0.46	-0.90
707	-0.96	2.60	-2180.72	-13.39	-5.20	0.57

708	26.67	-3.79	-1673.59	20.66	144.03	-8.63
801	-5.99	-0.82	-1756.41	7.22	-68.33	12.52
802	0.33	2.43	-2237.93	-26.49	3.74	-1.59
803	0.00	1.70	-2150.48	-20.68	0.04	0.00
804	-0.34	2.44	-2238.72	-26.52	-3.83	1.61
805	6.03	-0.81	-1758.14	7.13	68.76	-12.61
806	-28.37	-5.97	-1675.12	33.33	-153.19	8.76
807	-0.47	2.82	-2182.82	-14.41	-2.52	-0.54
808	-0.01	1.34	-2121.39	-8.11	-0.04	0.00
809	0.46	2.82	-2182.94	-14.41	2.47	0.54
810	28.35	-5.96	-1675.27	33.27	153.10	-8.75
901	-5.56	-0.28	-1754.82	1.07	-63.39	12.29
902	0.56	2.38	-2241.30	-25.88	6.35	-1.53
903	0.44	1.92	-2081.83	-21.42	5.03	-0.17
904	3.66	-0.37	-1659.96	2.42	41.74	-5.88
905	-25.05	-3.17	-1672.85	17.11	-135.25	8.60
906	0.64	2.01	-2181.87	-10.06	3.48	-0.58
907	-0.31	0.85	-2197.33	-3.39	-1.66	0.91
908	25.61	-3.35	-1680.92	18.24	138.30	-7.16

Combinazione SLU_N2

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	-69.51	9.10	-2168.50	-13.56	-101.47	0.00
102	-8.61	8.46	-2999.49	-12.87	-29.46	0.00
103	8.22	-4.86	-2136.28	3.50	-5.11	0.00
104	-10.91	10.35	-2455.85	-14.53	-27.74	0.00
105	-0.89	17.73	-2342.90	-24.01	-20.33	0.00
106	-15.08	14.34	-3218.63	-20.07	-37.11	0.00
107	69.79	17.33	-1822.66	-28.17	80.06	0.00
108	-102.64	0.91	-2229.74	-3.23	-136.13	0.00
109	-8.13	3.30	-4441.01	-6.76	-28.81	0.00
110	-10.61	10.05	-3262.85	-14.13	-27.31	0.00
111	-4.06	3.64	-3926.61	-7.29	-24.00	0.00
112	-3.82	4.86	-2997.85	-8.09	-19.28	0.00
113	-20.29	2.55	-3088.15	-5.42	-38.76	0.00
114	217.15	2.65	-2588.65	-7.12	291.57	0.00
115	-134.52	-1.31	-2905.40	-1.25	-178.19	0.00
116	-5.86	-2.86	-3430.41	1.18	-21.64	0.00
117	-13.28	-12.58	-4251.52	11.95	-34.82	0.00
118	-3.10	-1.05	-3021.32	-1.06	-18.37	0.00
119	-3.81	-3.05	-2998.69	1.26	-19.21	0.00
120	-26.33	-0.90	-4015.87	-2.05	-50.25	0.00
121	167.05	-0.08	-1991.75	-2.43	224.36	0.00
122	-49.92	-6.07	-1670.18	5.03	-73.68	0.00
123	-7.10	-4.33	-2304.54	2.92	-23.04	0.00
124	6.96	5.79	-2138.21	-9.10	-6.41	0.00
125	-10.15	-11.70	-2440.74	11.54	-26.65	0.00
126	-1.17	-14.21	-1798.23	14.45	-16.03	0.00
127	-11.15	-12.30	-2459.65	12.15	-27.83	0.00
128	53.27	-12.82	-1400.05	15.85	61.18	0.00

201	-62.96	16.24	-1785.66	-22.81	-91.12	0.01
202	21.02	14.15	-2562.77	-16.61	24.09	0.01
203	4.94	15.71	-1687.03	-18.81	5.08	0.01
204	1.44	15.44	-1856.16	-18.83	0.94	0.01
205	-8.46	16.03	-1684.22	-19.88	-10.77	0.01
206	-16.94	14.54	-2526.50	-18.46	-20.80	0.01
207	-5.76	17.70	-2285.68	-22.55	-7.58	0.01
208	-5.98	13.83	-3228.14	-18.32	-7.83	0.01
209	74.63	17.00	-1820.44	-26.80	106.28	0.01
210	-231.57	1.55	-2617.88	-1.74	-332.58	0.01
211	80.05	4.72	-3517.92	-5.46	94.33	0.01
212	-7.92	7.99	-2880.12	-9.67	-9.69	0.01
213	0.18	7.38	-2928.61	-9.31	-0.12	0.01
214	5.36	8.44	-2891.62	-10.90	6.01	0.01
215	-61.15	5.12	-3419.19	-7.32	-72.64	0.01
216	7.72	6.12	-3928.65	-8.86	8.80	0.01
217	-19.98	2.92	-4010.57	-5.42	-23.96	0.01
218	223.46	2.36	-2591.96	-5.80	320.27	0.01
219	-223.82	-1.50	-2593.18	2.64	-321.01	0.01
220	20.48	0.03	-4011.65	0.09	24.32	0.01
221	-2.48	-0.65	-3891.92	0.55	-2.82	0.01
222	0.33	2.27	-3910.58	-3.26	0.49	0.01
223	0.30	-0.31	-3901.01	-0.56	0.46	0.01
224	-1.49	0.54	-3913.56	-1.91	-1.66	0.01
225	2.56	-4.49	-3901.43	3.69	3.13	0.01
226	-19.18	-1.26	-4014.66	-0.48	-22.58	0.01
227	223.46	-0.45	-2592.37	-1.77	320.72	0.01
228	-72.93	-18.36	-1813.97	26.83	-104.08	0.01
229	3.99	-17.61	-3198.35	20.95	5.25	0.01
230	-1.04	-20.19	-2336.80	23.65	-0.69	0.01
231	1.08	-17.37	-3157.51	19.96	1.82	0.01
232	0.21	-19.95	-2333.54	22.67	0.79	0.01
233	-0.70	-16.84	-3156.83	18.64	-0.29	0.01

234	1.43	-19.12	-2335.49	20.99	2.24	0.01
235	-3.57	-16.49	-3197.55	17.53	-3.68	0.01
236	73.29	-17.09	-1814.02	22.11	105.72	0.01
301	-76.37	12.62	-1680.33	-13.61	-113.00	0.18
302	13.69	13.21	-2923.82	-18.87	12.89	0.13
303	-12.99	19.38	-2123.06	-33.73	-18.65	0.13
304	12.83	18.69	-2784.40	-40.48	11.88	0.13
305	-131.66	-13.71	-3175.10	-9.75	-158.98	0.13
306	-2.72	5.34	-1418.15	-70.66	-34.57	0.18
307	228.27	-0.20	-2512.87	-40.86	266.63	0.13
308	-201.33	-0.36	-2355.14	5.02	-282.44	0.18
309	19.96	3.16	-3649.18	-6.98	29.77	0.13
310	0.34	8.41	-3542.88	-20.76	6.57	0.13
311	-0.69	8.67	-3571.65	-28.64	5.36	0.13
312	13.11	13.07	-3820.10	-41.41	21.67	0.13
313	4.32	-53.22	-4068.74	29.41	11.28	0.13
314	118.21	6.99	-2586.12	-49.37	145.95	0.13
315	-198.00	-2.76	-2354.31	8.47	-267.80	0.18
316	23.28	-0.69	-3650.72	-2.43	43.16	0.13
317	3.92	-1.01	-3543.40	-9.62	20.27	0.13
318	2.64	3.77	-3572.27	-22.84	18.75	0.13
319	16.06	-5.47	-3819.20	-19.50	34.62	0.13
320	6.99	8.35	-3957.72	-43.41	23.90	0.13
321	117.90	8.17	-2593.92	-50.76	155.05	0.13
322	-60.06	-18.37	-1652.99	30.86	-60.04	0.18
323	15.83	-14.35	-2907.49	13.72	43.82	0.13
324	4.44	-13.30	-2124.82	4.92	30.34	0.13
325	14.55	-7.27	-2883.67	-9.79	42.30	0.13
326	-3.52	6.33	-2489.14	-33.45	20.94	0.13
327	11.34	-4.98	-2658.95	-27.64	38.50	0.13
328	59.66	-5.13	-1936.89	-35.04	95.64	0.13
401	-10.82	1.95	-1758.80	-19.20	-104.95	-6.92
402	1.26	1.97	-2260.88	-21.05	12.26	2.06

403	-1.71	1.38	-2247.81	-15.12	-16.58	-1.64
404	10.79	1.66	-1751.38	-16.28	104.68	7.94
405	-3.06	-1.05	-1655.29	15.11	-38.54	-5.16
406	-0.20	-2.47	-2025.10	31.43	-2.50	0.87
407	-0.59	-2.41	-2165.02	30.44	-7.39	-1.18
408	4.32	-1.02	-1740.76	14.85	54.40	7.75
501	-11.30	2.10	-1749.04	-20.61	-109.61	-7.86
502	0.70	1.30	-2264.03	-14.59	6.79	1.19
503	0.00	1.70	-2165.32	-17.19	0.00	0.00
504	-0.70	1.30	-2264.03	-14.59	-6.79	-1.19
505	11.30	2.10	-1749.04	-20.61	109.61	7.86
506	-4.60	-0.80	-1741.22	12.08	-58.01	-7.76
507	0.32	-2.39	-2165.95	30.05	3.98	1.01
508	0.00	-2.11	-2081.81	27.97	0.00	0.00
509	-0.32	-2.39	-2165.95	30.05	-3.98	-1.01
510	4.60	-0.80	-1741.22	12.08	58.01	7.76
601	-10.94	1.68	-1751.44	-16.47	-106.11	-7.95
602	1.57	1.39	-2247.93	-15.21	15.22	1.63
603	-1.38	1.86	-2260.39	-20.01	-13.36	-2.06
604	11.47	2.11	-1759.11	-20.86	111.28	9.07
605	-4.43	-1.02	-1740.82	14.78	-55.88	-7.77
606	0.48	-2.41	-2165.08	30.46	6.06	1.18
607	0.10	-2.53	-2024.82	32.12	1.31	-0.87
608	3.13	-1.09	-1655.44	15.62	39.37	6.74
701	-3.82	-0.41	-1660.01	2.83	-43.54	5.89
702	-0.60	1.95	-2082.02	-21.86	-6.85	0.19
703	-0.70	2.50	-2240.80	-27.24	-7.99	1.52
704	5.50	-0.38	-1755.08	2.26	62.64	-12.33
705	-26.00	-3.53	-1681.06	19.27	-140.39	7.17
706	-0.08	1.05	-2197.60	-4.53	-0.46	-0.90
707	-0.96	2.60	-2180.72	-13.39	-5.20	0.57
708	26.67	-3.79	-1673.59	20.66	144.03	-8.63
801	-5.99	-0.82	-1756.41	7.22	-68.33	12.52

802	0.33	2.43	-2237.93	-26.49	3.74	-1.59
803	0.00	1.70	-2150.48	-20.68	0.04	0.00
804	-0.34	2.44	-2238.72	-26.52	-3.83	1.61
805	6.03	-0.81	-1758.14	7.13	68.76	-12.61
806	-28.37	-5.97	-1675.12	33.33	-153.19	8.76
807	-0.47	2.82	-2182.82	-14.41	-2.52	-0.54
808	-0.01	1.34	-2121.39	-8.11	-0.04	0.00
809	0.46	2.82	-2182.94	-14.41	2.47	0.54
810	28.35	-5.96	-1675.27	33.27	153.10	-8.75
901	-5.56	-0.28	-1754.82	1.07	-63.39	12.29
902	0.56	2.38	-2241.30	-25.88	6.35	-1.53
903	0.44	1.92	-2081.83	-21.42	5.03	-0.17
904	3.66	-0.37	-1659.96	2.42	41.74	-5.88
905	-25.05	-3.17	-1672.85	17.11	-135.25	8.60
906	0.64	2.01	-2181.87	-10.06	3.48	-0.58
907	-0.31	0.85	-2197.33	-3.39	-1.66	0.91
908	25.61	-3.35	-1680.92	18.24	138.30	-7.16

Combinazione SLVq2_X+++

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	154.18	-33.15	-963.19	298.65	1428.71	-0.05
402	157.83	15.34	-1167.73	-177.88	1476.41	3.73
403	155.99	73.15	-1133.33	-686.26	1464.73	2.34
404	170.78	126.53	-979.69	-1220.67	1601.63	5.76
405	107.91	-19	-928.29	222.58	1147.17	0.69
406	105.92	9.39	-1084.62	-105.8	1164.24	3.24
407	99.12	41.46	-1118.92	-460.74	1161.44	2.47
408	110.1	70.74	-980.2	-828.38	1236.63	6.08
501	120.23	-151.31	-924.11	1480.58	1128.27	3.56
502	122.57	-43.04	-1163.62	427.84	1136.29	10.42
503	122.98	56.73	-1117.18	-569.98	1134.73	9.71
504	123.24	158.71	-1147.61	-1564.57	1133.6	9.44
505	128.17	268.43	-1017.02	-2643	1210.07	8.47
506	118.9	-80.93	-987.99	1025.65	1320.37	4.6
507	119.97	-22.75	-1137.54	309.74	1313.35	10.26
508	116.62	31.15	-1095.18	-380.14	1308.03	9.74
509	113.13	89.63	-1116.31	-1065.21	1303.06	9.39
510	118.62	146.61	-950.4	-1798.89	1360.95	9.91
601	151.57	6.77	-965.26	-111.14	1431.59	0.22
602	149.23	42.47	-1153.65	-441.92	1391.31	2.83
603	148.32	93.08	-1144.71	-899.73	1381.53	1.46
604	160.33	137.46	-983.45	-1324.98	1514.01	5.11
605	94.37	1.33	-957.01	-61.59	1076.45	-0.05
606	92.04	24.46	-1131.88	-290.34	1053.47	2.65
607	99.16	51.86	-1070.58	-605.47	1051.73	1.8
608	100.97	78.91	-949.04	-896.59	1113.23	4.84
701	113.65	102.42	-976.19	-1058.59	1097.52	-0.76
702	107.92	59.18	-1163.08	-548.24	1114.23	-4.22

703	106.53	-7.37	-1149.35	58.89	1114.28	-3.93
704	117.4	-58.19	-947.52	647.45	1199.72	-9.66
705	216.61	384.62	-828.3	-2187.09	1131.24	1.05
706	230.2	196.47	-1126.22	-1124.1	1204.32	-4.58
707	229.45	-24.07	-1101.09	139.42	1200.36	-3.94
708	263.81	-249.59	-997.63	1413.35	1388.42	-7.18
801	72.97	91.96	-1024.44	-969.6	738.78	4.2
802	77.14	66.43	-1256.28	-653.03	739.83	-3.25
803	75.38	33.76	-1158.36	-354.66	737.78	-2.24
804	76.88	0.69	-1134.24	-8.93	737.72	-1.99
805	77.81	-32.46	-956.58	331.16	799.01	-7
806	256.7	367.86	-851.18	-2099.81	1351.87	3.23
807	241.41	233.43	-1105.07	-1335.41	1266.86	-2.43
808	241.52	125.74	-1079.66	-726.82	1267.48	-2.42
809	241.4	-0.16	-1110.34	-14.07	1266.89	-2.17
810	279.09	-129.67	-939.33	710.31	1472.8	-5.64
901	84.69	119.49	-1030.48	-1241.6	873.58	1.64
902	85.77	72.01	-1247.16	-755.72	877.45	-4.59
903	86.11	53.67	-1092.82	-535.21	876.26	-3.72
904	97.18	-38.27	-922.17	431.27	893.82	-6.04
905	170.25	449.52	-808.46	-2574.37	887.3	1.36
906	177.07	270.68	-1094.44	-1558.91	924.95	-3.8
907	176.64	191.95	-1105.11	-1095.55	922.63	-3.31
908	184.84	-160.13	-969.02	891.06	966.99	-5.81

Combinazione SLVq2_X+-+

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	146.95	-130.58	-951.08	1250.38	1366.46	-1.09
402	150.84	-89.53	-1161.76	848.11	1414.66	3.3
403	149.05	-36.7	-1139.36	399.48	1402.65	1.91
404	162.5	5.45	-964.6	-20.26	1536.35	6.46
405	100.94	-75.02	-934.3	881.23	1071.2	0.04
406	98.77	-54.53	-1092.64	603.22	1088.37	2.79
407	92.71	-22.2	-1131.77	290.73	1086.02	2.05
408	103.48	0.79	-988.93	-7.62	1158.55	6.39
501	119.59	-266.72	-908.78	2626.24	1126.83	2.47
502	123.77	-157.84	-1159.71	1554.64	1138.62	10.33
503	122.95	-58.14	-1111.23	562.47	1134.64	9.71
504	122.05	43.91	-1143.71	-437.77	1131.21	9.53
505	128.81	153.02	-1001.7	-1497.34	1211.51	9.57
506	115.08	-147.24	-996.04	1808.35	1316.27	4.09
507	113.36	-91.39	-1149.61	1087.32	1306.06	10.16
508	116.61	-32.92	-1106.3	401.08	1307.98	9.74
509	119.73	20.99	-1128.37	-287.62	1310.35	9.49
510	122.44	80.29	-958.44	-1016.19	1365.06	10.42
601	163.56	-119.72	-948.43	1140.98	1543.02	-0.36
602	160.49	-68.44	-1166.13	647.03	1497.01	3.57
603	159.54	-7.38	-1132.6	85.47	1486.9	2.2
604	172.27	44.63	-970.82	-401.86	1626.52	6.92
605	105.41	-69.51	-965.47	794.65	1210.11	0.56
606	102.69	-42.36	-1145	463.56	1182.09	3.37
607	109.85	-7.19	-1078.24	75.25	1180.72	2.56
608	112.15	20.1	-954.61	-266.35	1248.38	6.14
701	103.61	43.42	-959.99	-486.19	991.4	-1.18
702	97.73	1.43	-1119.89	17.49	1005.81	-3.94

703	96.31	-60.68	-1094.94	602.6	1005.41	-3.63
704	106.48	-111.29	-925.13	1176.75	1081.5	-8.39
705	192.65	177.78	-867.23	-991.57	1005.34	-0.03
706	205.4	-8.96	-1139.52	58.21	1074	-4.29
707	204.9	-220.57	-1117.23	1272.67	1071.31	-3.6
708	236.33	-449.56	-1035.43	2576.11	1243.38	-5.36
801	85.4	39.41	-1003.41	-411.51	791.69	3.03
802	82.31	7.95	-1205.54	-84.16	785.09	-3.42
803	79.48	-22.81	-1113.23	233.51	782.06	-2.37
804	81.89	-60.68	-1080.95	584.06	781.53	-2.13
805	90	-89.4	-934.01	939.27	843.01	-5.99
806	267.27	157.05	-894.74	-870.86	1407.74	1.39
807	250.75	28.23	-1123.91	-147.74	1316.06	-2.65
808	251.2	-86.93	-1101.9	502.24	1318.45	-2.54
809	251.4	-214.04	-1129.32	1223.78	1319.56	-2.08
810	289.81	-359.54	-988.29	2048.68	1529.49	-3.89
901	109.98	69.98	-1010.63	-776.06	1146.21	0.13
902	110.03	22.75	-1198.22	-254.78	1139	-5.34
903	110.34	0.65	-1051.07	13.85	1137.29	-4.43
904	121.16	-101.11	-906.23	1025.28	1152.15	-5.51
905	230.73	281.86	-838.42	-1601.36	1205.42	-0.44
906	235.96	89.36	-1111.27	-514.46	1234.67	-4.55
907	235.76	-7.57	-1117.86	52.95	1233.61	-4.02
908	242.67	-374.94	-1012.8	2130.48	1271.18	-4.84

Combinazione SLVq2_X-++

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	-134.37	199.19	-1008.04	-1936.98	-1244.39	-6.28
402	-129.51	113.17	-1146.05	-1090.15	-1207.74	-4.35
403	-129.96	17.17	-1152.94	-200.52	-1217.48	-5.72
404	-132.24	-73.25	-935.72	699.12	-1242.83	-3.35
405	-124.12	110.59	-936.95	-1333.68	-1363.23	-6.42
406	-119.45	64.67	-1072.56	-736.31	-1348.94	-4.71
407	-113.71	9.4	-1131.07	-124.05	-1350.72	-5.55
408	-121.88	-38.64	-968.38	491.61	-1390.42	-4.07
501	-156.48	159.9	-972.37	-1549.06	-1484.67	-5.3
502	-149.72	108.05	-1138.82	-1044.32	-1390.38	-4.27
503	-149.42	59.3	-1120.65	-574.28	-1391.38	-4.8
504	-149.05	7.63	-1172.41	-92.41	-1393.08	-5.25
505	-148.54	-42.77	-968.76	386.64	-1402.87	-0.39
506	-90.77	88.62	-970.59	-1053.17	-1009.98	-5.81
507	-86.35	62.48	-1114.31	-708.31	-965.66	-4.22
508	-89.83	31.39	-1094.41	-380.68	-970.65	-4.66
509	-93.19	4.41	-1139.54	-47.15	-975.95	-5.09
510	-91.04	-22.94	-967.81	279.93	-969.4	-0.5
601	-150.23	189.63	-1005.6	-1840.55	-1413.72	-8.58
602	-139.39	90.23	-1131.74	-870.81	-1292.29	-4.87
603	-140.64	-12.14	-1168.8	113.55	-1303.56	-6.24
604	-141.97	-111.48	-935.47	1071.31	-1332.59	-2.93
605	-130.17	105.4	-969.03	-1251.2	-1522.1	-9.78
606	-122.52	51.79	-1121.26	-587.78	-1431.93	-5.01
607	-130.01	-5.88	-1083.74	95.12	-1434.7	-5.78
608	-131.04	-57.68	-939.19	747.07	-1486.4	-4.51
701	-88.92	-23.49	-928.16	253.06	-823.97	4.68
702	-80.76	6.77	-1092.59	-113.92	-812.42	2.86

703	-79.48	56.93	-1244.25	-555.79	-813.49	3.73
704	-83.5	90.91	-1024.9	-942.05	-819.47	-3.12
705	-230.93	-96.51	-941.62	513.34	-1212.07	4.98
706	-222.26	38.08	-1100.6	-230.41	-1165.06	2.48
707	-222.43	197.88	-1120.81	-1135.05	-1165.98	2.96
708	-235.12	357.85	-844.08	-2039.28	-1236.86	-2.32
801	-115.33	-71.01	-942.45	779.17	-1132.85	9.09
802	-105.4	-19.83	-1134.45	228.56	-1048.3	3.45
803	-102.82	24.2	-1150.58	-250.4	-1048.11	3.69
804	-105.51	76.53	-1248.67	-771.79	-1050.72	4.72
805	-110.28	119.83	-1036.7	-1297.03	-1074.24	-1.88
806	-262.74	-299.04	-1010.55	1706.82	-1383.31	6.27
807	-228.98	-85.48	-1125.1	493.38	-1198.5	3.47
808	-229.25	88.02	-1083.26	-508.82	-1199.91	3.67
809	-228.89	275.88	-1091.24	-1592.9	-1197.96	3.75
810	-240.33	491.66	-791.36	-2829.42	-1262.27	-2.27
901	-95.87	-49.49	-950.87	536.4	-985.3	7.83
902	-91.92	-14.65	-1134.83	160.3	-932.54	2.93
903	-92.38	-5.62	-1167.94	46.35	-932.47	3.23
904	-100.09	80.61	-970.33	-788.72	-911.97	-0.55
905	-269.45	-198.16	-963.57	1108.81	-1414.5	6.25
906	-252.76	-61.3	-1117.04	348.79	-1325.4	2.96
907	-253.35	-19.82	-1134.06	111.56	-1328.57	3.61
908	-240.82	287.45	-871.25	-1618.09	-1261.22	-1.46

Combinazione SLVq2_X--+

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	-141.59	101.76	-995.92			
402	-136.49	8.3	-1140.08	-985.25	-1306.64	-7.32
403	-136.9	-92.67	-1158.96	-64.16	-1269.49	-4.78
404	-140.52	-194.33	-920.63	885.22	-1279.55	-6.15
405	-131.08	54.57	-942.96	1899.54	-1308.11	-2.66
406	-126.6	0.75	-1080.58	-675.03	-1439.2	-7.08
407	-120.13	-54.26	-1143.92	-27.29	-1424.8	-5.16
408	-128.5	-108.59	-977.11	627.41	-1426.14	-5.97
501	-157.12	44.48	-957.04	1312.38	-1468.5	-3.76
502	-148.53	-6.76	-1134.91	-403.4	-1486.11	-6.39
503	-149.45	-55.56	-1114.7	82.48	-1388.06	-4.35
504	-150.24	-107.18	-1168.52	558.16	-1391.47	-4.8
505	-147.9	-158.19	-953.44	1034.39	-1395.46	-5.16
506	-94.59	22.31	-978.63	1532.3	-1401.43	0.71
507	-92.95	-6.17	-1126.37	-270.47	-1014.08	-6.32
508	-89.85	-32.69	-1105.53	69.27	-972.95	-4.32
509	-86.59	-64.24	-1151.61	400.54	-970.7	-4.67
510	-87.22	-89.25	-975.85	730.43	-968.65	-4.98
601	-138.24	63.14	-988.77	1062.63	-965.3	0.01
602	-128.13	-20.68	-1144.23	-588.42	-1302.3	-9.16
603	-129.42	-112.6	-1156.68	218.15	-1186.6	-4.13
604	-130.03	-204.3	-922.84	1098.75	-1198.19	-5.51
605	-119.13	34.56	-977.49	1994.43	-1220.08	-1.12
606	-111.87	-15.03	-1134.39	-394.97	-1388.44	-9.17
607	-119.31	-64.93	-1091.4	166.12	-1303.3	-4.29
608	-119.86	-116.49	-944.76	775.84	-1305.7	-5.03
701	-98.96	-82.48	-911.95	1377.32	-1351.25	-3.21
702	-90.96	-50.99	-1049.39	825.46	-930.09	4.26

703	-89.7	3.62	-1189.84	451.81	-920.84	3.14
704	-94.42	37.82	-1002.51	-12.09	-922.36	4.03
705	-254.89	-303.35	-980.56	-412.76	-937.69	-1.86
706	-247.06	-167.35	-1113.9	1708.87	-1337.98	3.9
707	-246.98	1.38	-1136.95	951.91	-1295.38	2.77
708	-262.6	157.88	-881.89	-1.8	-1295.03	3.3
801	-102.89	-123.56	-921.43	-876.52	-1381.89	-0.51
802	-100.22	-78.31	-1083.71	1337.26	-1079.94	7.93
803	-98.72	-32.37	-1105.46	797.43	-1003.04	3.27
804	-100.49	15.16	-1195.39	337.77	-1003.83	3.56
805	-98.1	62.89	-1014.13	-178.79	-1006.91	4.57
806	-252.18	-509.84	-1054.11	-688.92	-1030.25	-0.87
807	-219.64	-290.68	-1143.94	2935.77	-1327.44	4.43
808	-219.57	-124.65	-1105.49	1681.05	-1149.3	3.24
809	-218.89	62	-1110.23	720.24	-1148.94	3.55
810	-229.61	261.78	-840.33	-355.05	-1145.29	3.84
901	-70.58	-98.99	-931.01	-1491.06	-1205.58	-0.51
902	-67.66	-63.91	-1085.89	1001.94	-712.67	6.32
903	-68.15	-58.64	-1126.19	661.24	-670.99	2.18
904	-76.12	17.77	-954.38	595.41	-671.45	2.52
905	-208.97	-365.83	-993.53	-194.71	-653.64	-0.03
906	-193.87	-242.62	-1133.86	2081.81	-1096.39	4.45
907	-194.22	-219.34	-1146.81	1393.24	-1015.67	2.21
908	-182.99	72.63	-915.03	1260.07	-1017.59	2.89
				-378.67	-957.03	-0.5

Combinazione SLVq2_X++-

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	133.43	-100.21	-936.78	969.99	1227.43	2.08
402	137.45	-6.89	-1164.61	49.02	1278.8	6.31
403	135.62	93.61	-1136.01	-895.71	1267.17	4.92
404	148.7	195.69	-1006.58	-1912.82	1387.47	8.71
405	128.66	-55.42	-939.43	687.24	1408.71	3.21
406	126.48	-2.56	-1083.19	50.32	1423.21	5.85
407	119.67	52.47	-1120.59	-604.9	1420.32	5.06
408	131.81	107.78	-968.76	-1300.7	1510.2	9.56
501	148.54	-42.77	-968.76	386.64	1402.87	0.39
502	149.05	7.63	-1172.42	-92.41	1393.1	5.25
503	149.45	56.73	-1117.18	-569.98	1391.47	4.8
504	149.72	108.05	-1138.81	-1044.32	1390.41	4.27
505	156.48	159.9	-972.37	-1549.06	1484.67	5.3
506	91.04	-22.94	-967.81	279.93	969.4	0.5
507	93.19	4.41	-1139.54	-47.15	975.95	5.09
508	89.85	31.15	-1095.18	-380.14	970.7	4.67
509	86.35	62.48	-1114.31	-708.31	965.66	4.22
510	90.77	88.62	-970.59	-1053.17	1009.98	5.81
601	129.94	-61.75	-938.5	574.89	1221.86	3.1
602	129.3	21.62	-1150.88	-228.6	1197.95	5.35
603	128.39	113.9	-1147.5	-1112.8	1188.15	3.98
604	138.7	206.01	-1010.19	-2011.26	1304.25	7.99
605	115.72	-35.36	-968.44	406.53	1345.46	3.36
606	112.24	13.25	-1130.22	-143.53	1307.97	5.19
607	119.36	63.06	-1072.04	-752.09	1306.3	4.35
608	122.33	115.62	-937.81	-1364.89	1382.4	8.27
701	95.8	82.27	-970.4	-824.55	894.08	0.52
702	90.49	52.56	-1166.46	-469.52	915.49	-3.09

703	89.1	-1.59	-1146.03	-10.07	915.56	-2.8
704	98.78	-38.05	-953.5	413.68	987.4	-7.92
705	234.43	300.52	-865.87	-1693.36	1227.46	1.72
706	247.01	168.09	-1132.34	-954.96	1295.13	-3.48
707	246.25	0.7	-1095.85	-8.86	1291.05	-2.84
708	283.72	-161.03	-958.92	893.76	1495.91	-6.29
801	98.1	122.97	-1035.84	-1332.26	1025.24	2.01
802	100.48	80.3	-1250.63	-819.08	1005.98	-4.54
803	98.72	33.76	-1158.36	-354.66	1003.87	-3.57
804	100.22	-13.18	-1139.89	157.11	1003.86	-3.28
805	102.94	-63.47	-945.18	693.82	1085.47	-9.18
806	229.69	504.9	-788.27	-2908.13	1206	2.48
807	219.26	292.97	-1090.77	-1692.79	1147.25	-3.67
808	219.56	125.74	-1079.66	-726.82	1148.89	-3.55
809	219.25	-59.71	-1124.63	343.31	1147.28	-3.42
810	252.08	-266.71	-1002.24	1518.63	1326.93	-6.39
901	66.15	98.89	-1024.71	-1002.41	662.17	3.41
902	68.12	65.81	-1250.54	-681.92	676.24	-3.43
903	68.46	60.18	-1089.45	-612.65	675.05	-2.56
904	79.12	-17.93	-927.92	195.14	687.92	-4.74
905	189.21	363.32	-846.48	-2068.23	989.65	2.32
906	194.39	244.06	-1100.19	-1400.32	1018.46	-2.68
907	193.96	219.87	-1099.13	-1261.93	1016.18	-2.18
908	203.15	-75.26	-931.25	393	1065.89	-5.12

Combinazione SLVq2_X+--

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	126.2	-197.64	-924.67	1921.72	1165.18	1.04
402	130.47	-111.76	-1158.64	1075.01	1217.04	5.88
403	128.68	-16.23	-1142.03	190.03	1205.1	4.49
404	140.42	74.61	-991.49	-712.41	1322.19	9.41
405	121.7	-111.44	-945.44	1345.89	1332.74	2.56
406	119.32	-66.48	-1091.21	759.33	1347.35	5.4
407	113.25	-11.19	-1133.45	146.57	1344.9	4.65
408	125.19	37.83	-977.49	-479.93	1432.12	9.87
501	147.9	-158.19	-953.44	1532.3	1401.43	-0.71
502	150.24	-107.18	-1168.51	1034.39	1395.43	5.16
503	149.42	-58.14	-1111.23	562.47	1391.38	4.8
504	148.53	-6.76	-1134.92	82.48	1388.03	4.35
505	157.12	44.48	-957.04	-403.4	1486.11	6.39
506	87.22	-89.25	-975.85	1062.63	965.3	-0.01
507	86.59	-64.24	-1151.61	730.43	968.65	4.98
508	89.83	-32.92	-1106.3	401.08	970.65	4.66
509	92.95	-6.17	-1126.37	69.27	972.95	4.32
510	94.59	22.31	-978.63	-270.47	1014.09	6.32
601	141.94	-188.24	-921.68	1827.01	1333.29	2.52
602	140.56	-89.28	-1163.36	860.35	1303.65	6.09
603	139.6	13.44	-1135.38	-127.61	1293.52	4.72
604	150.65	113.18	-997.56	-1088.14	1416.76	9.81
605	126.76	-106.2	-976.9	1262.76	1479.13	3.97
606	122.89	-53.58	-1143.34	610.37	1436.59	5.91
607	130.05	4.01	-1079.7	-71.37	1435.3	5.11
608	133.51	56.81	-943.38	-734.65	1517.55	9.57
701	85.76	23.28	-954.2	-252.15	787.96	0.1
702	80.3	-5.19	-1123.26	96.21	807.07	-2.81

703	78.88	-54.9	-1091.62	533.63	806.7	-2.5
704	87.86	-91.14	-931.12	942.97	869.18	-6.66
705	210.46	93.67	-904.81	-497.83	1101.55	0.64
706	222.21	-37.34	-1145.64	227.35	1164.8	-3.18
707	221.69	-195.8	-1111.99	1124.39	1162	-2.5
708	256.24	-361	-996.72	2056.51	1350.88	-4.47
801	110.53	70.43	-1014.81	-774.16	1078.15	0.85
802	105.65	21.81	-1199.89	-250.21	1051.24	-4.71
803	102.82	-22.81	-1113.23	233.51	1048.15	-3.69
804	105.24	-74.55	-1086.6	750.11	1047.68	-3.42
805	115.13	-120.41	-922.61	1301.93	1129.46	-8.17
806	240.25	294.1	-831.83	-1679.17	1261.87	0.64
807	228.6	87.77	-1109.62	-505.12	1196.45	-3.9
808	229.24	-86.93	-1101.9	502.24	1199.86	-3.67
809	229.25	-273.59	-1143.62	1581.16	1199.95	-3.32
810	262.8	-496.59	-1051.2	2856.99	1383.61	-4.63
901	91.44	49.38	-1004.85	-536.87	934.8	1.9
902	92.38	16.55	-1201.59	-180.98	937.78	-4.18
903	92.69	7.16	-1047.7	-63.59	936.07	-3.27
904	103.09	-80.78	-911.98	789.16	946.25	-4.21
905	249.68	195.66	-876.44	-1095.22	1307.76	0.51
906	253.27	62.73	-1117.01	-355.87	1328.19	-3.43
907	253.09	20.35	-1111.88	-113.43	1327.16	-2.9
908	260.98	-290.08	-975.03	1632.42	1370.08	-4.15

Combinazione SLVq2_X-+-

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	-155.12	132.13	-981.63	-1265.64	-1445.67	-4.15
402	-149.88	90.94	-1142.93	-863.26	-1405.36	-1.77
403	-150.33	37.64	-1155.61	-409.96	-1415.04	-3.14
404	-154.32	-4.09	-962.61	6.97	-1456.99	-0.41
405	-103.36	74.16	-948.09	-869.02	-1101.69	-3.9
406	-98.89	52.72	-1071.14	-580.19	-1089.96	-2.11
407	-93.17	20.42	-1132.74	-268.21	-1091.85	-2.96
408	-100.17	-1.61	-956.94	19.3	-1116.85	-0.59
501	-128.17	268.43	-1017.02	-2643	-1210.06	-8.47
502	-123.25	158.71	-1147.62	-1564.57	-1133.57	-9.44
503	-122.95	59.3	-1120.65	-574.28	-1134.64	-9.71
504	-122.57	-43.03	-1163.61	427.84	-1136.26	-10.42
505	-120.23	-151.31	-924.11	1480.58	-1128.27	-3.56
506	-118.62	146.6	-950.4	-1798.89	-1360.95	-9.91
507	-113.13	89.63	-1116.31	-1065.21	-1303.06	-9.39
508	-116.61	31.39	-1094.41	-380.68	-1307.98	-9.74
509	-119.97	-22.75	-1137.54	309.74	-1313.35	-10.26
510	-118.9	-80.93	-987.99	1025.65	-1320.37	-4.6
601	-171.85	121.1	-978.84	-1154.51	-1623.45	-5.7
602	-159.32	69.38	-1128.97	-657.49	-1485.65	-2.35
603	-160.57	8.68	-1171.58	-99.52	-1496.94	-3.72
604	-163.6	-42.93	-962.21	385.02	-1542.36	-0.05
605	-108.82	68.71	-980.46	-783.09	-1253.09	-6.37
606	-102.32	40.57	-1119.6	-440.97	-1177.42	-2.47
607	-109.8	5.32	-1085.2	-51.5	-1180.12	-3.24
608	-109.67	-20.97	-927.96	278.77	-1217.23	-1.08
701	-106.77	-43.63	-922.37	487.1	-1027.41	5.95
702	-98.2	0.15	-1095.96	-35.2	-1011.16	4

703	-96.91	62.71	-1240.93	-624.75	-1012.21	4.87
704	-102.12	111.06	-1030.88	-1175.83	-1031.78	-1.39
705	-213.11	-180.61	-979.2	1007.07	-1115.86	5.65
706	-205.45	9.69	-1106.72	-61.27	-1074.26	3.58
707	-205.63	222.65	-1115.57	-1283.34	-1075.29	4.05
708	-215.22	446.41	-805.37	-2558.87	-1129.36	-1.43
801	-90.2	-40	-953.85	416.51	-846.39	6.91
802	-82.05	-5.96	-1128.8	62.52	-782.16	2.15
803	-79.48	24.2	-1150.58	-250.4	-782.02	2.36
804	-82.16	62.67	-1254.32	-605.74	-784.58	3.43
805	-85.16	88.82	-1025.3	-934.37	-787.79	-4.07
806	-289.76	-161.99	-947.65	898.5	-1529.19	5.53
807	-251.13	-25.94	-1110.8	136	-1318.11	2.22
808	-251.21	88.02	-1083.26	-508.82	-1318.5	2.54
809	-251.04	216.34	-1105.53	-1235.52	-1317.57	2.5
810	-267.34	354.62	-854.27	-2021.1	-1408.15	-3.01
901	-114.41	-70.09	-945.09	775.59	-1196.72	9.61
902	-109.57	-20.85	-1138.21	234.09	-1133.75	4.09
903	-110.03	0.89	-1164.58	-31.09	-1133.69	4.39
904	-118.15	100.95	-976.07	-1024.84	-1117.87	0.75
905	-250.5	-284.37	-1001.59	1614.94	-1312.15	7.2
906	-235.44	-87.92	-1122.78	507.38	-1231.88	4.09
907	-236.02	8.1	-1128.08	-54.81	-1235.02	4.74
908	-222.51	372.32	-833.48	-2116.14	-1162.32	-0.77

Combinazione SLVq2_X---

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	-162.34	34.7	-969.52	-313.91	-1507.92	-5.19
402	-156.87	-13.93	-1136.96	162.74	-1467.11	-2.2
403	-157.27	-72.2	-1161.64	675.77	-1477.11	-3.57
404	-162.6	-125.17	-947.53	1207.38	-1522.27	0.29
405	-110.33	18.14	-954.1	-210.37	-1177.66	-4.56
406	-106.05	-11.2	-1079.16	128.83	-1165.83	-2.56
407	-99.58	-43.24	-1145.6	483.26	-1167.27	-3.37
408	-106.79	-71.55	-965.67	840.07	-1194.93	-0.28
501	-128.81	153.02	-1001.7	-1497.34	-1211.51	-9.57
502	-122.05	43.91	-1143.71	-437.77	-1131.24	-9.53
503	-122.98	-55.56	-1114.7	558.16	-1134.73	-9.71
504	-123.76	-157.84	-1159.72	1554.64	-1138.65	-10.33
505	-119.59	-266.72	-908.78	2626.24	-1126.83	-2.47
506	-122.44	80.29	-958.44	-1016.19	-1365.06	-10.42
507	-119.73	20.99	-1128.37	-287.62	-1310.35	-9.49
508	-116.62	-32.69	-1105.53	400.54	-1308.03	-9.74
509	-113.36	-91.39	-1149.61	1087.32	-1306.06	-10.16
510	-115.08	-147.24	-996.04	1808.35	-1316.27	-4.09
601	-159.86	-5.39	-962.02	97.61	-1512.02	-6.28
602	-148.06	-41.52	-1141.46	431.46	-1379.96	-1.61
603	-149.36	-91.78	-1159.47	885.67	-1391.57	-2.99
604	-151.65	-135.75	-949.58	1308.15	-1429.85	1.76
605	-97.78	-2.13	-988.92	73.15	-1119.42	-5.76
606	-91.67	-26.25	-1132.72	312.93	-1048.8	-1.75
607	-99.11	-53.73	-1092.85	629.23	-1051.13	-2.48
608	-98.5	-79.78	-933.54	909.02	-1082.07	0.22
701	-116.81	-102.63	-906.16	1059.5	-1133.53	5.53
702	-108.39	-57.6	-1052.77	530.53	-1119.58	4.27

703	-107.13	9.4	-1186.52	-81.05	-1121.07	5.17
704	-113.04	57.96	-1008.5	-646.54	-1150	-0.12
705	-237.08	-387.46	-1018.14	2202.6	-1241.76	4.57
706	-230.24	-195.74	-1120.02	1121.05	-1204.58	3.87
707	-230.19	26.14	-1131.71	-150.09	-1204.34	4.39
708	-242.69	246.44	-843.18	-1396.12	-1274.39	0.38
801	-77.77	-92.54	-932.83	974.6	-793.48	5.74
802	-76.88	-64.45	-1078.06	631.39	-736.89	1.98
803	-75.37	-32.37	-1105.46	337.77	-737.74	2.24
804	-77.14	1.3	-1201.04	-12.75	-740.76	3.28
805	-72.97	31.88	-1002.73	-326.26	-743.8	-3.06
806	-279.19	-372.8	-991.2	2127.46	-1473.32	3.68
807	-241.79	-231.13	-1129.65	1323.67	-1268.91	2
808	-241.53	-124.65	-1105.49	720.23	-1267.53	2.42
809	-241.04	2.46	-1124.52	2.33	-1264.9	2.6
810	-256.62	124.74	-903.23	-682.74	-1351.46	-1.26
901	-89.12	-119.59	-925.24	1241.13	-924.09	8.09
902	-85.31	-70.11	-1089.27	735.03	-872.21	3.35
903	-85.8	-52.13	-1122.82	517.97	-872.67	3.68
904	-94.18	38.1	-960.13	-430.83	-859.54	1.27
905	-190.02	-452.03	-1031.55	2587.95	-994.04	5.4
906	-176.56	-269.25	-1139.61	1551.83	-922.16	3.34
907	-176.9	-191.42	-1140.83	1093.69	-924.04	4.02
908	-164.68	157.5	-877.26	-876.72	-858.13	0.2

Combinazione SLVq2_Y+++

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	59.09	162.84	-979.95	-1588.93	541.28	-1.14
402	63.1	173.87	-1161.72	-1700.19	586.66	1.44
403	61.7	179.82	-1138.54	-1777.37	576.05	0.07
404	71.7	196.83	-994.97	-1954.07	656.21	1.58
405	37.32	92.8	-929.62	-1089.49	388.52	-1.03
406	37.76	104.84	-1069.61	-1160.14	402.96	1.04
407	34.48	103	-1109.78	-1213.45	399.93	0.2
408	39.23	112.94	-960.39	-1324.61	440.91	2.15
501	30.51	102.21	-979.95	-1035.01	277.3	1.64
502	31.59	146.66	-1166.93	-1449.26	304.69	4.77
503	33.39	191.64	-1125.34	-1892.67	306.09	4.19
504	35.04	236.9	-1153.41	-2316.67	307.48	3.58
505	36.96	284.21	-996.93	-2800.62	355.74	4.01
506	43.77	60.41	-963.06	-692.81	431.35	1.15
507	49.63	88.07	-1117.3	-983.09	450.72	4.68
508	38.55	105.99	-1081.94	-1291.74	437.13	4.15
509	27.38	138.99	-1108.4	-1586.75	423.42	3.58
510	34.58	159.99	-956.57	-1906.74	462.35	5.26
601	29.27	219.4	-985.95	-2172.6	279.84	-2.35
602	32.79	190.47	-1126.04	-1868.14	306.54	-0.69
603	31.81	171.52	-1172.67	-1688.41	296.59	-2.06
604	37.91	157.61	-994.43	-1568.31	360.52	0.02
605	5.49	121.53	-956.83	-1476.35	43.68	-4.18
606	6.88	113.5	-1111.24	-1280.22	63.26	-0.82
607	8.84	99.01	-1067.7	-1147.94	60.8	-1.68
608	9.33	98.61	-933.77	-1057.4	78.48	0.05
701	50.83	128.91	-979.5	-1272.63	507.42	1.7
702	50.38	110.29	-1196.19	-1067.06	527.7	-2.03

703	49.96	75.73	-1238.72	-784.6	527.89	-1.57
704	56.1	54.54	-999.8	-524.69	588.41	-8.78
705	91.64	459.77	-837.13	-2634.45	478.02	3.57
706	103.92	384.75	-1106.6	-2200.81	544.09	-2.43
707	103.08	280.53	-1083.92	-1628.28	539.67	-1.91
708	125.38	195.58	-885.2	-1162.21	661.14	-7.76
801	0.14	97.73	-1021.14	-1043.76	108.37	6.91
802	14.13	103.69	-1263.7	-1015.82	140.04	-0.88
803	15.13	96.4	-1208.28	-1004.37	139.86	-0.2
804	14.11	99.62	-1245.6	-960.1	139.51	0.35
805	5.34	85.76	-1010.08	-913.05	178.45	-6.74
806	54.19	393.53	-831.21	-2296.7	284.15	6.56
807	59.46	363.69	-1082.24	-2113.31	311.92	-0.25
808	59.15	360.66	-1054.99	-2084.42	310.31	-0.22
809	58.72	343.49	-1089.35	-1978.46	308.09	-0.37
810	76.41	342.84	-855.35	-1994.58	404.17	-6.4
901	-11.77	119.46	-1026.72	-1163.82	-138.02	5.66
902	-8.21	100.87	-1272.25	-1026.87	-100.94	-1.04
903	-8.12	93.01	-1160.63	-964.52	-101.09	-0.42
904	-3.55	75.37	-956.58	-687.96	-82.04	-4.65
905	-50.21	419.11	-842.38	-2409.49	-267.89	5.03
906	-38.76	368.85	-1087.81	-2113.1	-206.19	-0.53
907	-39.53	347.69	-1095.45	-2009.05	-210.26	-0.02
908	-27.75	246.56	-868.96	-1444.52	-146.89	-5.51

Combinazione SLVq2_Y+-+

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	-27.47	232.55	-993.41	-2259.62	-260.65	-3.01
402	-23.1	203.22	-1155.21	-1973.87	-218.58	-0.99
403	-24.08	163.03	-1144.43	-1631.64	-228.62	-2.35
404	-19.21	136.9	-981.78	-1378.13	-197.12	-1.15
405	-32.29	131.68	-932.22	-1556.37	-364.6	-3.16
406	-29.85	121.42	-1065.99	-1349.29	-350.99	-1.35
407	-29.38	93.39	-1113.43	-1112.45	-353.72	-2.21
408	-30.36	80.12	-956.84	-928.61	-347.2	-0.9
501	-52.5	195.57	-994.43	-1943.9	-506.58	-1.01
502	-50.1	191.98	-1159.49	-1890.91	-453.31	0.36
503	-48.33	192.41	-1126.38	-1893.96	-451.74	-0.16
504	-46.65	191.58	-1160.85	-1875.02	-450.52	-0.82
505	-46.06	190.85	-982.45	-1891.73	-428.14	1.35
506	-19.13	111.28	-957.83	-1316.45	-267.76	-1.97
507	-12.27	113.63	-1110.33	-1288.5	-232.98	0.34
508	-23.39	106.06	-1081.71	-1291.9	-246.48	-0.17
509	-34.51	113.42	-1115.37	-1281.33	-260.28	-0.77
510	-28.32	109.13	-961.79	-1283.09	-236.76	2.14
601	-61.27	274.26	-998.05	-2691.42	-573.75	-4.99
602	-53.8	204.8	-1119.47	-1996.81	-498.55	-3
603	-54.88	139.96	-1179.89	-1384.42	-508.94	-4.37
604	-52.78	82.93	-980.04	-849.42	-493.46	-2.4
605	-61.87	152.75	-960.44	-1833.23	-735.88	-7.1
606	-57.49	121.7	-1108.05	-1369.45	-682.36	-3.12
607	-59.91	81.69	-1071.64	-937.76	-685.13	-3.96
608	-60.27	57.64	-930.82	-564.31	-701.41	-2.75
701	-9.94	91.13	-965.09	-879.14	-69.03	3.34
702	-6.23	94.57	-1175.04	-936.76	-50.29	0.09

703	-5.85	95.02	-1267.19	-969	-50.44	0.73
704	-4.17	99.28	-1023.01	-1001.54	-17.34	-6.82
705	-42.62	315.43	-871.12	-1824.32	-224.98	4.75
706	-31.82	337.23	-1098.91	-1932.7	-166.73	-0.31
707	-32.48	347.11	-1089.84	-2010.62	-170.23	0.16
708	-24.3	377.81	-839.14	-2198	-126.44	-6.3
801	-56.35	48.84	-996.55	-519.13	-453.12	8.38
802	-40.63	77.81	-1227.15	-751.34	-396.4	1.13
803	-38.33	93.53	-1205.95	-973.09	-395.91	1.58
804	-40.6	122.37	-1279.93	-1188.96	-397.02	2.37
805	-51.09	131.45	-1034.11	-1401.5	-383.53	-5.21
806	-101.64	193.47	-879.02	-1154.72	-536.4	7.48
807	-81.66	268.02	-1088.25	-1564.67	-427.68	1.52
808	-82.09	349.34	-1056.07	-2019.02	-429.91	1.61
809	-82.37	426.3	-1083.62	-2452.1	-431.37	1.41
810	-79.41	529.24	-810.96	-3056.5	-416.35	-5.38
901	-65.94	68.77	-1002.84	-630.42	-695.69	7.51
902	-61.52	74.87	-1238.55	-752.06	-643.94	1.21
903	-61.66	75.22	-1183.17	-790.05	-643.71	1.66
904	-62.73	111.04	-971.03	-1053.96	-623.78	-3
905	-182.12	224.8	-888.91	-1304.54	-958.43	6.5
906	-167.71	269.26	-1094.59	-1540.79	-881.29	1.49
907	-168.52	284.15	-1104.13	-1646.91	-885.62	2.05
908	-155.44	380.83	-839.63	-2197.27	-815.35	-4.21

Combinazione SLVq2_Y-++

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	35.01	-161.94	-939.58	1583.49	333.78	-4.59
402	39.82	-175.7	-1141.82	1719.79	380.82	0.02
403	38.57	-186.32	-1158.62	1841.75	369.14	-1.37
404	44.11	-206.78	-944.68	2047.32	438.62	3.91
405	14.09	-93.93	-949.66	1106.01	135.27	-3.22
406	13.9	-108.22	-1096.34	1203.25	150.07	-0.46
407	13.09	-109.19	-1152.63	1291.44	148.53	-1.18
408	17.15	-120.21	-989.49	1411.28	180.67	3.18
501	28.37	-282.5	-928.88	2783.86	272.49	-2
502	35.58	-236.03	-1153.89	2306.74	312.44	4.48
503	33.29	-191.25	-1105.5	1882.15	305.8	4.19
504	31.08	-145.79	-1140.42	1439.33	299.54	3.87
505	39.09	-100.5	-945.85	1018.25	360.53	7.65
506	31.03	-160.62	-989.87	1916.19	417.68	-0.56
507	27.62	-140.75	-1157.51	1608.87	426.42	4.34
508	38.51	-107.6	-1119.01	1312.31	436.97	4.15
509	49.39	-89.83	-1148.62	1005.2	447.73	3.92
510	47.31	-61.05	-983.38	702.26	476.04	6.97
601	69.26	-202.23	-929.86	2001.15	651.27	-4.29
602	70.33	-179.22	-1167.65	1761.7	658.85	1.77
603	69.19	-163.35	-1132.28	1595.57	647.83	0.4
604	77.73	-151.81	-952.35	1508.76	735.55	6.06
605	42.3	-114.6	-985.03	1377.76	489.22	-2.15
606	42.38	-109.25	-1154.99	1232.78	492.01	1.58
607	44.48	-97.82	-1093.22	1121.14	490.78	0.84
608	46.59	-97.43	-952.36	1043.42	528.99	4.39
701	17.36	-67.75	-925.48	635.37	153.68	0.31
702	16.4	-82.22	-1052.21	818.69	166.3	-1.11

703	15.9	-101.97	-1057.35	1027.75	165.01	-0.57
704	19.69	-122.43	-925.18	1239.62	194.35	-4.56
705	11.76	-229.72	-966.92	1350.64	58.34	-0.02
706	21.25	-300.01	-1150.93	1740.25	109.67	-1.46
707	21.23	-374.47	-1137.73	2149.22	109.5	-0.77
708	33.79	-471	-1011.22	2713.64	177.7	-1.71
801	41.58	-77.41	-951.06	816.55	284.75	3.03
802	31.37	-91.27	-1094.54	880.42	290.92	-1.46
803	28.81	-92.14	-1057.87	956.2	287.45	-0.61
804	30.83	-104.94	-1067.98	1016.55	285.55	-0.13
805	45.96	-104.04	-934.84	1113.98	325.08	-3.38
806	89.42	-309.16	-976.41	1799.82	470.39	0.42
807	90.59	-320.29	-1145.06	1845.58	475.93	-1.01
808	91.4	-348.25	-1129.09	2012.44	480.19	-0.62
809	92.05	-369.44	-1152.65	2147.72	483.65	-0.05
810	112.15	-423.41	-1018.56	2466.62	593.13	-0.54
901	72.53	-45.56	-960.53	387.98	770.74	0.61
902	72.66	-63.34	-1109.11	642.93	770.89	-3.54
903	72.65	-83.73	-1021.45	865.67	768.98	-2.78
904	76.35	-134.11	-903.43	1292.08	779.05	-2.89
905	151.39	-139.77	-942.26	833.87	792.48	-0.99
906	157.51	-235.56	-1143.9	1368.39	826.22	-3.03
907	157.55	-317.38	-1137.95	1819.3	826.35	-2.41
908	165.02	-469.5	-1014.89	2686.88	867.07	-2.3

Combinazione SLVq2_Y--+

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	-51.55	-92.23	-953.03	912.8	-468.15	-6.46
402	-46.38	-146.35	-1135.32	1446.11	-424.43	-2.41
403	-47.21	-203.11	-1164.51	1987.47	-435.52	-3.79
404	-46.8	-266.71	-931.49	2623.26	-414.71	1.17
405	-55.52	-55.05	-952.26	639.13	-617.85	-5.35
406	-53.71	-91.63	-1092.72	1014.1	-603.88	-2.85
407	-50.76	-118.81	-1156.28	1392.45	-605.12	-3.59
408	-52.45	-153.03	-985.95	1807.27	-607.44	0.14
501	-54.64	-189.14	-943.36	1874.97	-511.39	-4.66
502	-46.11	-190.7	-1146.45	1865.09	-445.57	0.07
503	-48.43	-190.47	-1106.54	1880.86	-452.03	-0.16
504	-50.61	-191.12	-1147.86	1880.98	-458.46	-0.53
505	-43.93	-193.86	-931.37	1927.14	-423.35	4.99
506	-31.87	-109.76	-984.65	1292.55	-281.43	-3.68
507	-34.28	-115.18	-1150.54	1303.45	-257.29	0
508	-23.43	-107.53	-1118.78	1312.14	-246.64	-0.17
509	-12.51	-115.39	-1155.59	1310.62	-235.98	-0.43
510	-15.59	-111.91	-988.6	1325.91	-223.07	3.85
601	-21.28	-147.38	-941.96	1482.33	-202.33	-6.93
602	-16.26	-164.89	-1161.08	1633.03	-146.24	-0.54
603	-17.49	-194.92	-1139.51	1899.55	-157.7	-1.91
604	-12.96	-226.49	-937.95	2227.65	-118.43	3.65
605	-25.07	-83.38	-988.64	1020.88	-290.35	-5.07
606	-21.99	-101.05	-1151.8	1143.55	-253.61	-0.72
607	-24.27	-115.14	-1097.17	1331.32	-255.15	-1.43
608	-23.01	-138.41	-949.4	1536.52	-250.9	1.58
701	-43.41	-105.53	-911.07	1028.86	-422.76	1.94
702	-40.2	-97.94	-1031.06	948.99	-411.7	1.01

703	-39.91	-82.68	-1085.82	843.35	-413.32	1.73
704	-40.58	-77.7	-948.4	762.76	-411.41	-2.6
705	-122.5	-374.05	-1000.92	2160.77	-644.65	1.16
706	-114.48	-347.53	-1143.24	2008.36	-601.15	0.65
707	-114.33	-307.89	-1143.65	1766.88	-600.4	1.29
708	-115.89	-288.77	-965.15	1677.85	-609.88	-0.26
801	-14.91	-126.3	-926.47	1341.19	-276.74	4.5
802	-23.39	-117.15	-1058	1144.9	-245.52	0.55
803	-24.65	-95.01	-1055.53	987.47	-248.31	1.17
804	-23.89	-82.19	-1102.32	787.7	-250.98	1.88
805	-10.47	-58.35	-958.88	625.52	-236.89	-1.84
806	-66.42	-509.23	-1024.22	2941.8	-350.16	1.33
807	-50.52	-415.96	-1151.07	2394.22	-263.68	0.76
808	-49.83	-359.57	-1130.17	2077.84	-260.02	1.21
809	-49.04	-286.63	-1146.92	1674.07	-255.8	1.73
810	-43.68	-237.01	-974.17	1404.7	-227.39	0.48
901	18.36	-96.26	-936.64	921.38	213.08	2.47
902	19.35	-89.33	-1075.41	917.73	227.89	-1.28
903	19.11	-101.52	-1043.99	1040.14	226.36	-0.69
904	17.17	-98.45	-917.88	926.08	237.31	-1.24
905	19.48	-334.07	-988.79	1938.82	101.94	0.48
906	28.56	-335.15	-1150.68	1940.7	151.12	-1.01
907	28.55	-380.91	-1146.63	2181.44	150.99	-0.34
908	37.33	-335.23	-985.56	1934.13	198.61	-0.99

Combinazione SLVq2_Y++-

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	43.39	93.78	-979.67	-928.07	388.95	1.23
402	47.34	147.77	-1169.37	-1461.25	433.73	3.94
403	45.94	204.06	-1130.46	-1997.96	423.14	2.56
404	54.98	268.07	-995.72	-2636.55	494.07	4.88
405	53.1	54.2	-930.13	-626.92	587.36	1.49
406	53.58	89.82	-1071.06	-991.07	602.29	3.53
407	50.3	117.03	-1108.24	-1369.93	599.3	2.69
408	55.76	152.22	-959.92	-1795.59	649.14	5.66
501	46.06	190.85	-982.45	-1891.73	428.15	-1.35
502	46.63	191.57	-1160.88	-1875.02	450.61	0.82
503	48.43	191.64	-1125.34	-1892.67	452.03	0.16
504	50.09	191.99	-1159.47	-1890.91	453.41	-0.36
505	52.51	195.57	-994.43	-1943.9	506.59	1.01
506	28.32	109.12	-961.79	-1283.09	236.75	-2.14
507	34.51	113.42	-1115.37	-1281.33	260.28	0.77
508	23.43	105.99	-1081.94	-1291.74	246.64	0.17
509	12.27	113.63	-1110.33	-1288.5	232.98	-0.34
510	19.13	111.28	-957.83	-1316.45	267.75	1.97
601	12.99	148.76	-985.32	-1495.86	121.89	0.87
602	17.43	165.83	-1134.03	-1643.49	157.59	1.76
603	16.46	196.22	-1164.67	-1913.61	147.66	0.39
604	21.63	228.19	-995.07	-2244.48	202.6	3.22
605	21.66	82.58	-957.29	-1009.32	247.38	-0.74
606	22.36	99.27	-1112.8	-1120.96	258.28	1.62
607	24.31	113.28	-1066.27	-1307.57	255.75	0.75
608	25.49	137.54	-933.17	-1524.09	282.05	3.48
701	40.25	105.32	-971.29	-1027.95	386.75	2.83
702	39.73	99.52	-1184.79	-966.7	406.35	-0.96

703	39.31	84.71	-1250.05	-865.5	406.53	-0.5
704	44.94	77.47	-1007.62	-761.85	461.12	-7.18
705	102.03	371.22	-845.52	-2145.27	534.13	4.46
706	114.43	348.27	-1102.99	-2011.42	600.89	-1.36
707	113.59	309.96	-1089.15	-1777.54	596.41	-0.84
708	137	285.62	-875.65	-1660.61	723.91	-6.54
801	10.11	125.72	-1030.8	-1336.18	222.04	5.44
802	23.64	119.13	-1276.35	-1166.55	248.46	-1.82
803	24.65	96.4	-1208.28	-1004.37	248.36	-1.18
804	23.62	84.17	-1232.96	-809.38	247.93	-0.59
805	15.31	57.78	-1000.42	-620.62	292.11	-8.21
806	43.93	504.29	-818.17	-2914.16	228.72	5.58
807	50.14	418.26	-1083.65	-2405.96	261.63	-1.19
808	49.82	360.66	-1054.99	-2084.42	259.97	-1.2
809	49.4	288.92	-1087.94	-1685.8	257.79	-1.31
810	66.15	232.08	-868.39	-1377.13	348.73	-7.38
901	-22.79	96.15	-1019.08	-921.85	-263.58	7.26
902	-18.89	91.23	-1261.02	-938.42	-222.65	0.03
903	-18.79	103.06	-1171.66	-1057.37	-222.77	0.66
904	-14.16	98.28	-964.43	-925.65	-203.03	-3.52
905	-39.24	331.57	-851.22	-1925.24	-208.68	6.28
906	-28.05	336.59	-1083.37	-1947.78	-148.33	0.54
907	-28.81	381.44	-1099.3	-2183.3	-152.4	1.06
908	-17.17	332.6	-860.71	-1919.8	-89.75	-4.62

Combinazione SLVq2_Y+--

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	-43.18	163.49	-993.12	-1598.76	-412.98	-0.64
402	-38.86	177.12	-1162.87	-1734.93	-371.52	1.51
403	-39.85	187.27	-1136.34	-1852.23	-381.53	0.14
404	-35.92	208.14	-982.53	-2060.61	-359.26	2.14
405	-16.51	93.07	-932.73	-1093.8	-165.76	-0.65
406	-14.03	106.41	-1067.44	-1180.22	-151.66	1.15
407	-13.55	107.41	-1111.88	-1268.93	-154.35	0.28
408	-13.84	119.4	-956.38	-1399.59	-138.97	2.62
501	-36.95	284.21	-996.93	-2800.62	-355.73	-4.01
502	-35.06	236.9	-1153.44	-2316.67	-307.39	-3.58
503	-33.29	192.41	-1126.38	-1893.96	-305.8	-4.19
504	-31.6	146.67	-1166.91	-1449.26	-304.59	-4.77
505	-30.51	102.21	-979.95	-1035.01	-277.29	-1.64
506	-34.58	159.99	-956.57	-1906.74	-462.36	-5.26
507	-27.38	138.99	-1108.4	-1586.75	-423.42	-3.58
508	-38.51	106.06	-1081.71	-1291.9	-436.97	-4.15
509	-49.63	88.07	-1117.3	-983.09	-450.72	-4.68
510	-43.77	60.41	-963.06	-692.81	-431.36	-1.15
601	-77.55	203.62	-997.42	-2014.69	-731.7	-1.77
602	-69.16	180.16	-1127.46	-1772.16	-647.49	-0.55
603	-70.23	164.65	-1171.9	-1609.62	-657.87	-1.93
604	-69.06	153.51	-980.68	-1525.59	-651.38	0.81
605	-45.71	113.8	-960.9	-1366.2	-532.19	-3.66
606	-42.01	107.46	-1109.62	-1210.19	-487.34	-0.68
607	-44.44	95.95	-1070.22	-1097.39	-490.18	-1.52
608	-44.12	96.56	-930.21	-1031	-497.83	0.67
701	-20.52	67.54	-956.88	-634.46	-189.7	4.46
702	-16.87	83.8	-1163.64	-836.4	-171.65	1.17

703	-16.49	104.01	-1278.52	-1049.91	-171.8	1.8
704	-15.33	122.2	-1030.83	-1238.7	-144.63	-5.22
705	-32.23	226.88	-879.52	-1335.14	-168.86	5.64
706	-21.3	300.75	-1095.31	-1743.31	-109.92	0.76
707	-21.97	376.55	-1095.07	-2159.89	-113.49	1.23
708	-12.68	467.86	-829.59	-2696.4	-63.68	-5.08
801	-46.38	76.83	-1006.2	-811.55	-339.45	6.91
802	-31.12	93.25	-1239.8	-902.07	-287.98	0.19
803	-28.81	93.53	-1205.95	-973.09	-287.41	0.6
804	-31.09	106.93	-1267.29	-1038.23	-288.6	1.43
805	-41.12	103.46	-1024.46	-1109.08	-269.87	-6.68
806	-111.91	304.22	-865.98	-1772.17	-591.84	6.49
807	-90.97	322.59	-1089.66	-1857.32	-477.98	0.58
808	-91.41	349.34	-1056.07	-2019.02	-480.24	0.62
809	-91.68	371.73	-1082.21	-2159.45	-481.66	0.47
810	-89.68	418.48	-824	-2439.04	-471.79	-6.36
901	-76.96	45.46	-995.19	-388.45	-821.25	9.12
902	-72.2	65.23	-1227.32	-663.61	-765.64	2.29
903	-72.34	85.27	-1194.19	-882.91	-765.39	2.74
904	-73.34	133.95	-978.87	-1291.64	-744.77	-1.88
905	-171.15	137.26	-897.75	-820.29	-899.22	7.75
906	-157	236.99	-1090.15	-1375.47	-823.43	2.57
907	-157.81	317.91	-1107.99	-1821.17	-827.76	3.13
908	-144.86	466.87	-831.38	-2672.54	-758.21	-3.32

Combinazione SLVq2_Y-+-

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	19.31	-231	-939.3	2244.36	181.45	-2.23
402	24.06	-201.81	-1149.48	1958.73	227.89	2.52
403	22.81	-162.08	-1150.54	1621.16	216.23	1.12
404	27.39	-135.54	-945.44	1364.84	276.49	7.2
405	29.87	-132.53	-950.17	1568.58	334.11	-0.7
406	29.72	-123.23	-1097.79	1372.32	349.4	2.03
407	28.91	-95.17	-1151.09	1134.96	347.89	1.31
408	33.67	-80.93	-989.03	940.3	388.9	6.69
501	43.92	-193.86	-931.37	1927.14	423.34	-4.99
502	50.62	-191.11	-1147.83	1880.98	458.36	0.53
503	48.33	-191.25	-1105.5	1882.15	451.74	0.16
504	46.13	-190.71	-1146.48	1865.09	445.47	-0.07
505	54.64	-189.14	-943.35	1874.97	511.38	4.66
506	15.59	-111.91	-988.6	1325.91	223.07	-3.85
507	12.51	-115.39	-1155.59	1310.62	235.98	0.43
508	23.39	-107.6	-1119.01	1312.31	246.48	0.17
509	34.28	-115.18	-1150.54	1303.45	257.29	0
510	31.87	-109.76	-984.65	1292.55	281.44	3.68
601	52.98	-272.88	-929.23	2677.88	493.32	-1.07
602	54.97	-203.86	-1175.63	1986.35	509.9	4.21
603	53.84	-138.66	-1124.29	1370.37	498.9	2.84
604	61.45	-81.22	-952.99	832.59	577.63	9.27
605	58.46	-153.55	-985.5	1844.79	692.91	1.29
606	57.86	-123.49	-1156.55	1392.04	687.02	4.01
607	59.96	-83.55	-1091.8	961.51	685.73	3.28
608	62.74	-58.51	-951.75	576.73	732.57	7.81
701	6.78	-91.34	-917.27	880.05	33.02	1.44
702	5.76	-92.99	-1040.81	919.06	44.95	-0.04

703	5.25	-92.99	-1068.68	946.84	43.64	0.5
704	8.53	-99.51	-933	1002.46	67.06	-2.96
705	22.16	-318.27	-975.31	1839.83	114.46	0.87
706	31.77	-336.5	-1147.33	1929.64	166.47	-0.39
707	31.74	-345.04	-1142.96	1999.96	166.25	0.3
708	45.41	-380.96	-1001.66	2215.24	240.46	-0.49
801	51.55	-49.43	-960.72	524.13	398.42	1.56
802	40.88	-75.83	-1107.19	729.69	399.34	-2.4
803	38.33	-92.14	-1057.87	956.2	395.96	-1.58
804	40.34	-120.39	-1055.34	1167.28	393.98	-1.07
805	55.93	-132.03	-925.19	1406.4	438.75	-4.85
806	79.15	-198.41	-963.36	1182.36	414.96	-0.56
807	81.28	-265.72	-1146.47	1552.93	425.63	-1.95
808	82.08	-348.25	-1129.09	2012.44	429.86	-1.61
809	82.74	-424.01	-1151.24	2440.37	433.36	-0.98
810	101.88	-534.16	-1031.6	3084.08	537.69	-1.52
901	61.51	-68.88	-952.88	629.96	645.18	2.22
902	61.98	-72.97	-1097.88	731.38	649.18	-2.46
903	61.98	-73.68	-1032.48	772.82	647.3	-1.7
904	65.74	-111.2	-911.27	1054.39	658.06	-1.76
905	162.35	-227.31	-951.09	1318.12	851.69	0.26
906	168.23	-267.82	-1139.46	1533.72	884.08	-1.96
907	168.26	-283.62	-1141.8	1645.05	884.21	-1.34
908	175.6	-383.46	-1006.65	2211.6	924.22	-1.4

Combinazione SLVq2_Y---

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
401	-67.26	-161.29	-952.75	1573.67	-620.48	-4.1
402	-62.14	-172.46	-1142.98	1685.05	-577.36	0.09
403	-62.98	-178.87	-1156.43	1766.88	-588.43	-1.29
404	-63.51	-195.47	-932.25	1940.78	-576.85	4.47
405	-39.74	-93.66	-952.77	1101.7	-419.01	-2.84
406	-37.89	-106.65	-1094.17	1183.17	-404.55	-0.36
407	-34.94	-104.79	-1154.73	1235.97	-405.76	-1.1
408	-35.92	-113.75	-985.48	1336.3	-399.21	3.65
501	-39.09	-100.5	-945.85	1018.25	-360.54	-7.65
502	-31.07	-145.79	-1140.39	1439.33	-299.64	-3.87
503	-33.39	-190.47	-1106.54	1880.86	-306.09	-4.19
504	-35.56	-236.03	-1153.92	2306.74	-312.53	-4.48
505	-28.37	-282.5	-928.88	2783.86	-272.5	2
506	-47.31	-61.05	-983.38	702.26	-476.03	-6.97
507	-49.39	-89.83	-1148.61	1005.2	-447.73	-3.92
508	-38.55	-107.53	-1118.78	1312.14	-437.13	-4.15
509	-27.62	-140.75	-1157.52	1608.87	-426.42	-4.34
510	-31.03	-160.62	-989.87	1916.19	-417.67	0.56
601	-37.56	-218.02	-941.33	2159.06	-360.28	-3.71
602	-31.62	-189.53	-1169.06	1857.68	-295.18	1.91
603	-32.85	-170.23	-1131.51	1674.36	-306.63	0.53
604	-29.24	-155.9	-938.59	1551.48	-276.35	6.86
605	-8.9	-122.33	-989.1	1487.91	-86.65	-1.63
606	-6.51	-115.29	-1153.37	1302.81	-58.59	1.72
607	-8.79	-100.88	-1095.74	1171.69	-60.2	1
608	-6.86	-99.49	-948.8	1069.83	-47.32	5.01
701	-53.99	-129.11	-902.86	1273.54	-543.43	3.07
702	-50.85	-108.71	-1019.66	1049.35	-533.05	2.09

703	-50.55	-73.7	-1097.15	762.44	-534.69	2.8
704	-51.74	-54.77	-956.22	525.6	-538.7	-1
705	-112.11	-462.61	-1009.31	2649.96	-588.54	2.05
706	-103.96	-384.01	-1139.64	2197.75	-544.34	1.73
707	-103.82	-278.45	-1148.88	1617.61	-543.65	2.36
708	-104.27	-198.72	-955.6	1179.45	-547.12	0.96
801	-4.94	-98.32	-936.12	1048.76	-163.07	3.03
802	-13.87	-101.7	-1070.64	994.17	-137.1	-0.39
803	-15.13	-95.01	-1055.53	987.47	-139.81	0.19
804	-14.38	-97.63	-1089.67	938.42	-142.56	0.94
805	-0.5	-86.34	-949.23	917.94	-123.23	-3.31
806	-76.68	-398.47	-1011.17	2324.35	-405.6	0.35
807	-59.84	-361.39	-1152.48	2101.57	-313.97	-0.18
808	-59.15	-359.57	-1130.17	2077.84	-310.36	0.22
809	-58.35	-341.2	-1145.51	1966.72	-306.1	0.8
810	-53.94	-347.77	-987.22	2022.16	-282.83	-0.51
901	7.34	-119.57	-929	1163.36	87.52	4.08
902	8.67	-98.97	-1064.18	1006.18	106.18	-0.2
903	8.43	-91.47	-1055.01	947.29	104.68	0.39
904	6.56	-75.54	-925.72	688.4	116.32	-0.12
905	30.44	-421.62	-997.63	2423.07	161.15	1.73
906	39.28	-367.42	-1146.23	2106.03	208.98	0.07
907	39.27	-347.15	-1150.49	2007.19	208.85	0.74
908	47.91	-249.19	-977.32	1458.86	255.75	-0.1

Combinazione SLVq1.5_X+++

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	321.24	64.14	-1456.33	-280.42	1382.62	-0.54
102	382.25	53.25	-2112.3	-238.61	1434.93	-0.54
103	410.82	37.58	-1883.2	-195.89	1456.18	-0.54
104	312.14	60.5	-1909.18	-187.4	1292.03	-0.49
105	403.68	76.95	-1609.77	-233.65	1444.56	-0.54
106	313.72	87.02	-1788.58	-273.89	1292.14	-0.49
107	429.92	-67.22	-1602.89	266.95	1662.18	-0.78
108	222.9	59.75	-1719.5	-249.92	1137.19	-0.49
109	352.45	56.05	-3000.9	-234.9	1352.31	-0.54
110	324.14	49.93	-2486.81	-192.31	1235.11	-0.49
111	320.04	42.97	-2270.73	-175.34	1230.31	-0.49
112	320.27	49.67	-2314.75	-198.8	1230.68	-0.49
113	318.43	63.35	-2269.61	-259.58	1220.92	-0.49
114	412.01	-61.29	-1782.92	252.56	1513.53	-0.71
115	203.7	58.67	-1729.26	-248.54	1059.3	-0.49
116	330.65	52.49	-3028.37	-230.21	1267.36	-0.54
117	304.96	35.54	-2543.27	-174.72	1158.37	-0.49
118	300.09	40.22	-2231.42	-172.59	1153.16	-0.49
119	299.63	44.13	-2227.13	-192.95	1152.96	-0.49
120	297.55	60.52	-2203.38	-257.27	1143.16	-0.49
121	392.5	-61.1	-1706.73	253.38	1427.6	-0.71
122	263.18	45.92	-1406.45	-262.96	1141.7	-0.54
123	315.54	38.31	-2061.26	-223.32	1188.68	-0.54
124	341.39	45.04	-1853.78	-204.71	1208.49	-0.54
125	259.53	45.39	-1871.43	-165.57	1071.07	-0.49
126	331.74	56.59	-1591.81	-204.61	1196.85	-0.54
127	261.34	72.95	-1805.86	-251.37	1071.06	-0.49
128	360.56	-98.53	-1549.36	306.71	1386.04	-0.78

201	205.64	30.17	-1030.12	-84.6	985.81	1.03
202	254.98	34	-1649.84	-94.56	944.37	0.71
203	244.8	44.61	-1149.09	-128.39	934.37	0.71
204	245.52	56.03	-1241.87	-167.16	933.05	0.71
205	237.85	93.12	-1146.88	-290.64	926.57	0.71
206	236.59	102.38	-1580.34	-323.69	922.49	0.71
207	239.6	121.35	-1443.51	-382.84	928.23	0.71
208	241.65	138.49	-1869.11	-445.3	928.62	0.71
209	276.48	167.88	-1361.62	-584.4	1087.37	1.03
210	136.36	16.67	-1467.34	-67.91	959.18	1.03
211	311.16	22.82	-2077.86	-85.76	1065.55	0.71
212	260.44	32.34	-1717.84	-120.09	1013.04	0.71
213	265.55	40.83	-1750.99	-157.49	1017.98	0.71
214	267.91	71.05	-1733.77	-279.45	1020.95	0.71
215	235.41	77.35	-1993.79	-310.89	982.33	0.71
216	267.53	91.43	-2311.97	-367.36	1021.45	0.71
217	263.42	104.82	-2301.18	-428.72	1009.03	0.71
218	360.11	134.52	-1703.98	-556.58	1280.18	1.03
219	161.52	15.47	-1444.56	-66.56	1061.54	1.03
220	305.92	20.17	-2366.78	-82.85	1119.6	0.71
221	286.26	27.42	-2251.6	-114.68	1104.6	0.71
222	288.96	38.04	-2280.45	-154.78	1106.5	0.71
223	288.71	65.88	-2261.53	-274.41	1106.45	0.71
224	288.04	74.19	-2263.43	-308.33	1105.42	0.71
225	288.99	84.53	-2273.21	-360.62	1107.82	0.71
226	287.7	101.39	-2205.09	-426.28	1098.07	0.71
227	381.36	132.19	-1683.51	-554.73	1376.97	1.03
228	269.12	8.58	-1014.04	-52.35	1269.75	1.03
229	316.78	14.66	-1958.28	-69.62	1196.54	0.71
230	310.9	23.88	-1449.71	-101.11	1192.64	0.71
231	315.3	38.3	-1855.56	-142.57	1194.76	0.71
232	310.97	76.85	-1440.33	-264.86	1193.2	0.71
233	314.44	89.35	-1860.61	-300.91	1193.74	0.71

234	312.12	106.49	-1435.48	-356.64	1194.08	0.71
235	312.91	128.91	-1799.69	-423.85	1191.97	0.71
236	344.09	157.88	-1337.51	-558.86	1377.23	1.03
301	163.89	-91.31	-1155.29	362.92	812.3	3.62
302	203.27	117.06	-2128.6	-371.7	797.5	2.5
303	210.66	154.22	-1618.51	-497.56	783.43	2.5
304	201.84	201.23	-2022.73	-671.59	796.74	2.5
305	109.44	167.09	-2625.26	-837.4	669.36	2.5
306	34.65	61.63	-1171.45	-733.75	356.85	2.71
307	368.87	283.25	-2156.95	-1329.88	991.54	2.5
308	130.49	-89.08	-1677.65	372.36	955.92	3.62
309	283.02	87.5	-2605.94	-355.71	1038.5	2.5
310	264.31	118.12	-2487.96	-479.41	1023	2.5
311	265.46	157.27	-2547.61	-650.6	1023.79	2.5
312	260.02	203.18	-2808.12	-864.87	1017.47	2.5
313	270.47	200.78	-3112.9	-1038.54	1026.9	2.5
314	333.82	319.49	-2134.01	-1344.16	1120.9	2.5
315	177.2	-90.09	-1592.59	374.49	1166.39	3.62
316	333.19	82.78	-2603.61	-351.25	1230.03	2.5
317	314.62	109.83	-2460.91	-471.31	1215.47	2.5
318	314.23	152.44	-2412.33	-646.76	1215.17	2.5
319	310.44	191.69	-2826.2	-849.79	1208.81	2.5
320	320.28	262.15	-3023.59	-1098.58	1218.26	2.5
321	378.56	324.31	-2208.6	-1346.59	1308.7	2.5
322	397.97	-126	-996.07	405.31	1777.43	3.62
323	411.95	102.33	-2182.32	-345.79	1648.32	2.5
324	451.76	139.53	-1580.76	-469.41	1653.66	2.5
325	408.01	195.31	-2040.96	-650.7	1646.61	2.5
326	443.42	169.61	-1923.22	-850.07	1641.87	2.5
327	443.08	203.47	-1998.06	-1071.09	1654.71	2.5
328	457.65	263.18	-1629.95	-1318.97	1691.65	2.5

Combinazione SLVq1.5_X+-+

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	194.76	-129.23	-1276.88	623.96	876.05	1.29
102	269.13	-109.28	-2040.89	549.1	1014.3	1.42
103	294.17	-93.8	-1824.27	435.48	1034.58	1.42
104	218.17	-79.22	-1871.51	292.01	912.06	1.29
105	286.95	-64.88	-1580.33	245.77	1022.95	1.42
106	219.27	-54.09	-1841.24	201.81	912.03	1.29
107	287.87	120.6	-1399.69	-416.24	1085.14	1.88
108	207.08	-168.66	-1916.07	699.84	1096.26	1.42
109	311.37	-131.57	-3013.58	559.96	1196.84	1.42
110	286.94	-84.6	-2503.49	386.02	1093.82	1.29
111	283.53	-70.84	-2255.19	296.9	1089.21	1.29
112	283.35	-54.15	-2299.99	230.34	1089.47	1.29
113	280.82	-50.39	-2288.38	209.06	1079.52	1.29
114	377.1	94.23	-1767.75	-391.67	1357.74	1.88
115	230.59	-156.16	-1703.43	638.09	1167.4	1.29
116	362.46	-137	-3004.11	565.18	1386.87	1.42
117	333.8	-99.91	-2520.1	403.88	1266.99	1.29
118	328.18	-72	-2251.95	299.21	1261.58	1.29
119	328.14	-58.05	-2246.71	235.76	1261.5	1.29
120	326.55	-51.44	-2227.61	210.91	1251.83	1.29
121	419.41	92.33	-1720.64	-389.68	1547.38	1.88
122	361.39	-151.57	-1470.71	701.29	1523.94	1.42
123	418.84	-115.7	-2138.57	561.93	1572.31	1.42
124	448.37	-81.56	-1921.1	425.26	1593.11	1.42
125	345.51	-106.08	-1880.74	317.09	1417.67	1.29
126	437.83	-97.32	-1600.72	278.03	1581.22	1.42
127	348.02	-80.25	-1778.54	227.45	1417.85	1.29
128	463.89	117.23	-1609.99	-427.01	1813.35	2.07

201	261.37	-89.74	-993.87	347.74	1223.35	-0.21
202	311.85	-76.29	-1618.62	275.41	1158.2	-0.15
203	301.4	-69.16	-1126.04	253.03	1148.13	-0.15
204	302.45	-67.4	-1211.51	247.01	1146.89	-0.15
205	294.33	-45.05	-1118.74	173.14	1140.3	-0.15
206	293.53	-54.14	-1541.44	201.81	1136.34	-0.15
207	296.2	-56.07	-1406.06	212.73	1142	-0.15
208	298.54	-61.09	-1805.45	225.98	1142.45	-0.15
209	332.03	-67.07	-1332.17	265.53	1324.8	-0.21
210	160.71	-85.42	-1453.78	354.55	1067.54	-0.21
211	337.79	-66.08	-2064.58	278.87	1163.84	-0.15
212	286.24	-59.25	-1704.72	255.74	1111.12	-0.15
213	291.47	-58.53	-1737	250.58	1116.09	-0.15
214	293.8	-40.34	-1716.86	177.53	1119.06	-0.15
215	261.34	-48.65	-1975.83	206.84	1080.45	-0.15
216	293.32	-51.32	-2291.88	219.39	1119.54	-0.15
217	290.03	-56	-2274.36	232.71	1107.32	-0.15
218	384.38	-65.88	-1693.75	274.04	1388.49	-0.21
219	156.46	-85.13	-1457.3	355.07	1039.1	-0.21
220	300.41	-67.13	-2384.14	281.37	1099.26	-0.15
221	280.9	-62.5	-2269.32	260.72	1084.29	-0.15
222	283.56	-59.62	-2299.74	252.86	1086.19	-0.15
223	283.33	-43.59	-2284.32	182.09	1086.15	-0.15
224	282.65	-49.67	-2287.68	208.86	1085.11	-0.15
225	283.62	-55.86	-2300.45	225.54	1087.52	-0.15
226	282.2	-56.91	-2236.13	234.5	1077.73	-0.15
227	376.35	-65.33	-1708.04	274.27	1354.57	-0.21
228	233.93	-121.05	-1033.41	385.36	1120.39	-0.21
229	281	-105.09	-1947.91	302.71	1062.16	-0.15
230	275.32	-99.6	-1456.95	282.75	1058.31	-0.15
231	279.5	-95.67	-1862.77	274.28	1060.38	-0.15
232	275.45	-73.09	-1449.11	201.92	1058.89	-0.15
233	278.64	-80.55	-1869.03	227.99	1059.36	-0.15

234	276.53	-86.05	-1447.07	242.78	1059.75	-0.15
235	277.14	-87.77	-1816.93	251.78	1057.6	-0.15
236	308.72	-96.01	-1349.49	301.65	1227.77	-0.21
301	311.76	114.54	-1063.4	-383.85	1427.15	0.8
302	339.62	-40.93	-2191.77	160.98	1346.68	0.55
303	363	14.51	-1589.65	-25.43	1337.06	0.55
304	337.58	54.57	-1986.95	-168.72	1345.74	0.55
305	263.87	39.66	-2559.3	-240.04	1223.58	0.55
306	55.92	18.88	-1179.65	-246.83	619.34	0.69
307	498.37	82.46	-2068.75	-407.06	1538.78	0.55
308	210.07	86.97	-1640.75	-357.67	1312.81	0.8
309	369.07	-39.77	-2629.24	169.03	1362.76	0.55
310	348.38	5.6	-2471.41	-14.51	1346.7	0.55
311	349.17	37.91	-2531.45	-155.3	1347.39	0.55
312	344.77	63.22	-2824.63	-263.86	1341.37	0.55
313	355.98	30.9	-3078.62	-287.46	1351.01	0.55
314	412.21	95.96	-2169.22	-414.84	1443	0.55
315	229.69	83.75	-1567.06	-354.29	1401.89	0.8
316	390.17	-42.43	-2633.02	172.96	1444	0.55
317	370.14	-0.75	-2481.71	-6.93	1429.04	0.55
318	369.82	34.74	-2434.08	-151.92	1428.76	0.55
319	366.2	50.48	-2803.9	-248.41	1422.45	0.55
320	376.33	81.39	-3000.52	-344.38	1431.98	0.55
321	430.25	98.37	-2183.35	-416.58	1521.2	0.55
322	301.78	96.16	-1050.94	-350.62	1380.53	0.8
323	323.59	-69.19	-2152.54	190.38	1294.19	0.55
324	352.9	-12.09	-1589.22	5.89	1296.73	0.55
325	320.35	36.38	-2050.57	-144.43	1292.67	0.55
326	344.14	48.25	-1988.55	-254.51	1284.81	0.55
327	347.2	56.15	-2070.56	-326.52	1298.57	0.55
328	366.56	73.34	-1703.72	-399.32	1336.79	0.55

Combinazione SLVq1.5_X-++

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	-299.49	102.1	-1566.91	-464.95	-1084.63	-0.81
102	-307.34	92.89	-2128.03	-431.37	-1151.71	-0.89
103	-302.17	70.24	-2010.11	-350.9	-1137.05	-0.89
104	-257.38	92.2	-1892.05	-296.5	-1043.33	-0.81
105	-314.66	100.86	-1614.28	-315.3	-1150.17	-0.89
106	-259.15	98.67	-1955.57	-314.37	-1044.17	-0.81
107	-240.26	-54.71	-975.55	221.89	-1107.85	-1.18
108	-384.21	121.38	-2139.53	-508.04	-1347.21	-0.89
109	-330.25	101.84	-2948.78	-429.4	-1260.81	-0.89
110	-292.44	82.78	-2525.78	-334.13	-1139.3	-0.81
111	-296.5	68.83	-2316.18	-282.79	-1144.08	-0.81
112	-295.71	67.19	-2252.41	-271.83	-1143.56	-0.81
113	-313.87	72.79	-2379.2	-299.44	-1157.9	-0.81
114	-171.12	-56.09	-1504.45	232.42	-1104.12	-1.18
115	-414.11	121.61	-2182.26	-506.93	-1464.27	-0.89
116	-361.54	98.9	-2983.11	-424.88	-1377.33	-0.89
117	-320.56	68.17	-2516.03	-316.47	-1244.84	-0.81
118	-323.63	65.67	-2196.3	-279.93	-1249.53	-0.81
119	-323.64	61.43	-2177.12	-265.92	-1249.61	-0.81
120	-342.4	70.14	-2305.91	-297.18	-1264.09	-0.81
121	-197.5	-56.78	-1425.03	233.77	-1221.25	-1.18
122	-377.58	86.45	-1513.71	-449.32	-1389.57	-0.81
123	-399.62	75.74	-2045.25	-415.47	-1491.85	-0.89
124	-399.31	73.2	-1924.44	-358.43	-1479.22	-0.89
125	-334.39	79.63	-1858.29	-275.39	-1349.97	-0.81
126	-408.49	82.59	-1581.34	-286.84	-1490.72	-0.89
127	-337.76	85.98	-1972.17	-292.24	-1351.44	-0.81
128	-323.35	-83.73	-926.25	258.32	-1452.12	-1.18

201	-315.11	140.87	-1347.3	-487.87	-1267.78	-0.1
202	-279.54	115.76	-1535.06	-370.11	-1089.58	-0.07
203	-285.17	103.36	-1139.41	-325.82	-1098.33	-0.07
204	-289.35	94.3	-1252.17	-295.55	-1101	-0.07
205	-291.11	65.69	-1141.31	-198.68	-1105.86	-0.07
206	-298.29	66.24	-1569.91	-201.62	-1111.56	-0.07
207	-290.35	65.33	-1436.7	-193.58	-1104.47	-0.07
208	-292.87	59.63	-1980.83	-178.49	-1105.33	-0.07
209	-244.27	60.38	-1041.97	-191.49	-1166.23	-0.1
210	-384.23	111.55	-1717.59	-462.23	-1377.29	-0.1
211	-256.49	88.76	-1995.77	-357.19	-1057.65	-0.07
212	-290.03	79.66	-1735.52	-314.57	-1105.47	-0.07
213	-287.45	71.63	-1746.56	-283.98	-1101.22	-0.07
214	-284.66	48.94	-1729.51	-188.82	-1098.13	-0.07
215	-317.61	48.24	-1984.46	-190.69	-1136.87	-0.07
216	-282.85	46.32	-2288.71	-181.03	-1097.02	-0.07
217	-304.35	41.25	-2381.96	-166.01	-1114.21	-0.07
218	-160.45	42.35	-1453.16	-172.42	-1056.28	-0.1
219	-380.7	109.37	-1690.08	-460.34	-1371.96	-0.1
220	-285.44	84.73	-2266.46	-353.92	-1091.8	-0.07
221	-287.02	73.78	-2269.32	-308.92	-1101.86	-0.07
222	-287.13	68.33	-2263.12	-281.15	-1100.72	-0.07
223	-286.85	44.15	-2269.96	-183.87	-1100.62	-0.07
224	-288.05	45.56	-2280.65	-188.25	-1101.81	-0.07
225	-284.29	40.29	-2256.84	-174.52	-1098.63	-0.07
226	-303.65	39.07	-2306.36	-163.91	-1113.33	-0.07
227	-160.86	40.88	-1439.2	-171.06	-1056.53	-0.1
228	-320.06	128.43	-1337.78	-460.81	-1276.78	-0.1
229	-288.57	103.21	-1813.06	-346.93	-1101.75	-0.07
230	-287.78	87.56	-1439.06	-299.81	-1103.83	-0.07
231	-290.12	79.85	-1861.37	-271.78	-1103.55	-0.07
232	-286.7	47.09	-1442.09	-172.3	-1102.99	-0.07
233	-290.98	50.1	-1854.84	-178.02	-1104.57	-0.07

234	-286.56	45.82	-1446.49	-166.14	-1102.38	-0.07
235	-292.45	43.57	-1945.33	-155.3	-1106.32	-0.07
236	-245.11	41.43	-1014.79	-160.83	-1169.31	-0.1
301	-403.17	-126.65	-1460.79	487.34	-1561.86	0.27
302	-320.78	33.27	-1777.55	-88.24	-1329.02	0.19
303	-379.44	5.74	-1445.1	6.45	-1360.29	0.19
304	-319.44	-14.53	-1793.81	69.84	-1328.97	0.19
305	-461.7	-35.86	-2120.16	123.31	-1461.23	0.19
306	-58.99	-3.74	-1023.5	53.58	-666.63	0.16
307	-166.81	-29.48	-1778.27	120.91	-1151.64	0.19
308	-420.15	-118.19	-1780.07	492.25	-1551.3	0.27
309	-327.12	20.61	-2268.7	-77.69	-1255.71	0.19
310	-328.84	-1	-2309.74	15.58	-1265.49	0.19
311	-328.48	-18	-2270.49	78.59	-1264.97	0.19
312	-334.26	-21.54	-2513.03	103.58	-1270.94	0.19
313	-330.16	-70.31	-2883.54	167.16	-1263.9	0.19
314	-226.1	-30.4	-1741.5	117.52	-1165.32	0.19
315	-417.23	-117.99	-1727.24	493.52	-1536.53	0.27
316	-324.1	16.97	-2274.62	-73.82	-1241.93	0.19
317	-324.88	-6.78	-2291.94	22.45	-1250.63	0.19
318	-325.05	-20.16	-2235.27	81.44	-1250.85	0.19
319	-331.95	-33.5	-2531.93	117.73	-1257.61	0.19
320	-326.41	-28.59	-2797.09	116.58	-1249.99	0.19
321	-225.81	-30.23	-1745.41	116.51	-1154.32	0.19
322	-316.87	-160.82	-1405.67	527.39	-1213.96	0.27
323	-251.47	13.3	-1813.94	-62.84	-1029.83	0.19
324	-290.15	-19.1	-1452.91	35.29	-1046.1	0.19
325	-249.71	-36.23	-1874.12	93.45	-1029.87	0.19
326	-299.8	-20.54	-1680.59	108.11	-1057.4	0.19
327	-276.02	-31.56	-1920.14	127.28	-1038.93	0.19
328	-228.26	-33.21	-1296.03	126.7	-995.61	0.19

Combinazione SLVq1.5_X--+

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	-396.77	-85.43	-1519.86	413.94	-1465.5	0.97
102	-420.47	-69.64	-2056.62	356.34	-1572.35	1.07
103	-380.75	-55.58	-1773.8	254.97	-1416.95	0.97
104	-351.35	-47.53	-1854.39	182.91	-1423.3	0.97
105	-431.39	-40.97	-1584.84	164.12	-1571.78	1.07
106	-353.61	-42.44	-2008.23	161.33	-1424.28	0.97
107	-343.23	127	-918.07	-437.03	-1533.77	1.41
108	-422.32	-113	-2164.15	466.7	-1501.86	1.07
109	-371.32	-85.78	-2961.47	365.46	-1416.27	1.07
110	-362.61	-56.92	-2796.71	268.63	-1408.65	1.07
111	-333	-44.98	-2300.63	189.44	-1285.18	0.97
112	-332.62	-36.63	-2237.65	157.31	-1284.77	0.97
113	-351.48	-40.95	-2397.97	169.19	-1299.31	0.97
114	-206.04	99.43	-1489.29	-411.81	-1259.91	1.41
115	-384.53	-114.7	-2153.84	468.37	-1345.36	1.07
116	-329.74	-90.59	-2958.84	370.5	-1257.82	1.07
117	-291.72	-67.28	-2492.87	262.13	-1136.21	0.97
118	-295.54	-46.56	-2216.83	191.87	-1141.11	0.97
119	-295.13	-40.75	-2196.7	162.79	-1141.07	0.97
120	-313.39	-41.82	-2330.14	171	-1155.42	0.97
121	-170.58	96.66	-1438.94	-409.28	-1101.47	1.41
122	-288.3	-93.09	-1572.12	427.27	-1042.08	0.97
123	-296.31	-78.27	-2122.57	369.79	-1108.22	1.07
124	-292.33	-53.4	-1991.75	271.54	-1094.6	1.07
125	-248.41	-71.84	-1867.6	207.28	-1003.37	0.97
126	-302.39	-71.31	-1590.25	195.79	-1106.36	1.07
127	-251.08	-67.22	-1944.85	186.58	-1004.65	0.97
128	-229.41	112.41	-981.37	-408.69	-1063.65	1.41

201	-259.38	20.95	-1311.05	-55.54	-1030.25	-1.34
202	-222.66	5.47	-1503.84	-0.13	-875.75	-0.92
203	-228.57	-10.41	-1116.37	55.59	-884.57	-0.92
204	-232.42	-29.13	-1221.81	118.62	-887.15	-0.92
205	-234.62	-72.47	-1113.17	265.11	-892.13	-0.92
206	-241.35	-90.29	-1531.01	323.88	-897.71	-0.92
207	-233.75	-112.08	-1399.25	401.99	-890.7	-0.92
208	-235.98	-139.95	-1917.17	492.79	-891.5	-0.92
209	-188.72	-174.57	-1012.52	658.44	-928.8	-1.34
210	-359.88	9.45	-1704.02	-39.77	-1268.94	-1.34
211	-229.86	-0.15	-1982.49	7.44	-959.36	-0.92
212	-264.23	-11.94	-1722.4	61.26	-1007.38	-0.92
213	-261.53	-27.73	-1732.57	124.09	-1003.1	-0.92
214	-258.77	-62.45	-1712.6	268.15	-1000.02	-0.92
215	-291.68	-77.76	-1966.5	327.05	-1038.75	-0.92
216	-257.06	-96.42	-2268.61	405.73	-998.94	-0.92
217	-277.74	-119.57	-2355.14	495.42	-1015.92	-0.92
218	-136.19	-158.05	-1442.93	658.2	-947.97	-1.34
219	-385.76	8.77	-1702.83	-38.7	-1394.4	-1.34
220	-290.95	-2.57	-2283.82	10.3	-1112.14	-0.92
221	-292.39	-16.14	-2287.04	66.48	-1122.16	-0.92
222	-292.53	-29.34	-2282.42	126.5	-1121.03	-0.92
223	-292.23	-65.32	-2292.75	272.62	-1120.93	-0.92
224	-293.44	-78.31	-2304.89	328.94	-1122.11	-0.92
225	-289.66	-100.09	-2284.09	411.64	-1118.93	-0.92
226	-309.15	-119.23	-2337.41	496.87	-1133.67	-0.92
227	-165.87	-156.64	-1463.73	657.94	-1078.93	-1.34
228	-355.26	-1.19	-1357.16	-23.1	-1426.14	-1.34
229	-324.35	-16.55	-1802.69	25.4	-1236.13	-0.92
230	-323.37	-35.93	-1446.3	84.05	-1238.16	-0.92
231	-325.91	-54.13	-1868.58	145.06	-1237.93	-0.92
232	-322.23	-102.85	-1450.88	294.48	-1237.3	-0.92
233	-326.77	-119.79	-1863.26	350.88	-1238.95	-0.92

234	-322.15	-146.71	-1458.07	433.28	-1236.71	-0.92
235	-328.21	-173.1	-1962.57	520.32	-1240.7	-0.92
236	-280.48	-212.46	-1026.77	699.68	-1318.76	-1.34
301	-268.75	60.49	-1377.25	-191.55	-1002.91	-2.3
302	-196.82	-110.35	-1834.98	396.01	-829.77	-1.58
303	-240.95	-121.27	-1418.86	435.66	-856.99	-1.58
304	-196.04	-147.85	-1761.28	526.99	-829.88	-1.58
305	-321.31	-151.71	-2060.19	666.37	-957.39	-1.58
306	-39.66	-42.61	-1030.95	496.24	-428.01	-1.67
307	-49.09	-212.02	-1698.09	959.83	-654.15	-1.58
308	-347.81	41.85	-1746.53	-171.41	-1226.85	-2.3
309	-248.89	-95.09	-2289.88	399.35	-960.92	-1.58
310	-252.41	-103.29	-2294.7	438.21	-971.22	-1.58
311	-252.39	-126.51	-2255.8	528.86	-970.78	-1.58
312	-257.21	-148.77	-2528.03	649.96	-976.49	-1.58
313	-252.43	-224.75	-2852.38	849.96	-969.26	-1.58
314	-154.84	-233.61	-1773.51	962.36	-872.5	-1.58
315	-369.51	40.05	-1704.03	-169.01	-1322.44	-2.3
316	-272.3	-96.85	-2301.36	402.73	-1047.41	-1.58
317	-274.41	-107.31	-2310.85	444.61	-1056.48	-1.58
318	-274.52	-127.16	-2255.05	531.3	-1056.68	-1.58
319	-281.26	-161.87	-2511.66	664.43	-1063.4	-1.58
320	-275.45	-192.91	-2776.12	802.21	-1055.7	-1.58
321	-178.82	-235.62	-1722.45	961.97	-961.14	-1.58
322	-404.32	41.13	-1455.55	-159.82	-1574.77	-2.3
323	-331.8	-142.63	-1786.87	424.58	-1351.76	-1.58
324	-380.02	-156.94	-1460.6	467.38	-1370.59	-1.58
325	-329.4	-180.7	-1882.85	553.7	-1351.63	-1.58
326	-390.05	-130.87	-1739.98	649.52	-1382	-1.58
327	-363.19	-165.49	-1986.05	804.17	-1362.7	-1.58
328	-311.07	-205.79	-1363.1	962.75	-1318.21	-1.58

Combinazione SLVq1.5_X++-

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	317.77	98.58	-1332.54	-432.82	1354.06	-0.97
102	411.69	83.53	-2120.26	-376.51	1542.14	-1.07
103	399.42	49.31	-1720.62	-251.04	1421	-0.97
104	337.68	66.57	-1907.82	-208.98	1389.11	-0.97
105	391.41	60.81	-1460.91	-180.69	1409.96	-0.97
106	339.18	62.59	-1776.82	-188.85	1389.19	-0.97
107	415.04	-102.88	-1460.16	398.5	1618.04	-1.41
108	256.09	114.32	-1893.8	-471.94	1285.58	-1.07
109	363.19	89.72	-2994.25	-373.87	1386.92	-1.07
110	365.88	73.89	-2733.39	-292.52	1392.8	-1.07
111	360.65	52.84	-2497.79	-216.27	1387.29	-1.07
112	328.16	42.3	-2314.01	-167.64	1261.57	-0.97
113	326.53	43.58	-2265.98	-176.01	1251.87	-0.97
114	419.5	-97.34	-1783.67	404.89	1547.51	-1.41
115	216.9	113.41	-1914.01	-470.51	1127.5	-1.07
116	322.14	86.35	-3023.21	-369.24	1229.21	-1.07
117	295.85	52.62	-2543.99	-248.28	1123.26	-0.97
118	291.18	45.21	-2230.72	-193.83	1118.12	-0.97
119	290.6	36.86	-2228.24	-161.82	1117.88	-0.97
120	288.42	41.05	-2208.03	-173.79	1108.05	-0.97
121	383.92	-96.71	-1706.69	405.43	1388.98	-1.41
122	214.69	81.37	-1281.64	-416.75	937.29	-0.97
123	286.83	67.6	-2048.64	-360.92	1077.48	-1.07
124	310.56	61.45	-1850.45	-284.88	1096.62	-1.07
125	235.81	51.95	-1870.12	-187.31	970.72	-0.97
126	300.8	45.66	-1591.66	-169.45	1084.95	-1.07
127	237.31	46.42	-1813.74	-165.68	970.61	-0.97
128	300.56	-134.64	-1391.37	436.66	1147.25	-1.41

201	194.29	0.76	-1029.66	24.88	935.97	1.35
202	243.24	13.03	-1641.87	-21.67	899.23	0.93
203	233.3	30.6	-1146.04	-79.78	889.31	0.93
204	233.78	49.02	-1240.18	-142.86	887.91	0.93
205	226.37	93.12	-1146.88	-290.64	881.51	0.93
206	224.85	109.39	-1582.02	-347.99	877.35	0.93
207	228.1	135.36	-1446.56	-431.44	883.17	0.93
208	229.92	159.46	-1877.08	-518.18	883.48	0.93
209	265.13	197.29	-1362.08	-693.88	1037.53	1.35
210	132.72	-8.59	-1467.02	39.03	942.65	1.35
211	307.22	5.87	-2075.15	-14.13	1050.49	0.93
212	256.6	21.03	-1716.43	-72.33	998.01	0.93
213	261.69	35.17	-1750.24	-133.61	1002.94	0.93
214	264.06	71.05	-1733.77	-279.45	1005.92	0.93
215	231.55	83	-1994.54	-334.77	967.3	0.93
216	263.69	102.74	-2313.38	-415.12	1006.42	0.93
217	259.48	121.77	-2303.89	-500.35	993.97	0.93
218	356.46	159.78	-1704.31	-663.52	1263.65	1.35
219	165.17	-9.45	-1445.78	40.18	1078.05	1.35
220	309.86	3.48	-2370.23	-11.3	1134.64	0.93
221	290.1	16.29	-2253.51	-66.98	1119.6	0.93
222	292.81	32.48	-2281.44	-130.93	1121.52	0.93
223	292.56	65.88	-2261.53	-274.41	1121.47	0.93
224	291.89	79.76	-2262.44	-332.18	1120.43	0.93
225	292.83	95.66	-2271.3	-408.32	1122.83	0.93
226	291.63	118.08	-2201.64	-497.83	1113.1	0.93
227	385	157.11	-1682.29	-661.47	1393.49	1.35
228	280.55	-23.17	-1010.66	58.55	1319.61	1.35
229	328.47	-8.11	-1961.83	3.83	1241.64	0.93
230	322.42	8.67	-1450.71	-52.14	1237.69	0.93
231	326.99	30.69	-1855.83	-118.08	1239.86	0.93
232	322.47	76.85	-1440.33	-264.86	1238.25	0.93
233	326.14	96.95	-1860.34	-325.4	1238.85	0.93

234	323.64	121.7	-1434.48	-405.62	1239.13	0.93
235	324.6	151.67	-1796.13	-497.3	1237.07	0.93
236	355.51	189.62	-1340.89	-669.76	1427.09	1.35
301	178.64	-39.77	-1036.19	168.81	861.02	2.56
302	210.67	131.41	-1949.02	-424.89	834.04	1.77
303	222.26	149.13	-1472.79	-483.26	822.77	1.77
304	209.16	175.85	-1836.11	-585.44	833.27	1.77
305	129.92	134.36	-2388.45	-681.88	718.96	1.77
306	35.83	49.74	-1064.85	-590.55	379.45	1.97
307	360.43	213.82	-1954.17	-1019.36	1010.19	1.77
308	128.5	-43.68	-1523.31	181.01	913.5	2.56
309	267.81	99.77	-2373.07	-408.86	984.54	1.77
310	250.68	114.58	-2262.53	-466.22	970.41	1.77
311	251.6	137.11	-2315.33	-566.74	971.09	1.77
312	246.77	166.15	-2554.16	-706.54	965.39	1.77
313	255.02	150.84	-2820.04	-809.29	973.57	1.77
314	311.14	243.36	-1949.14	-1031.28	1058.56	1.77
315	154.06	-45.12	-1446.95	183.27	1028.52	2.56
316	295.32	95.16	-2362.42	-404.71	1089.22	1.77
317	278.61	106.93	-2236.14	-458.82	1076.04	1.77
318	278.34	132.76	-2193.47	-563.26	1075.8	1.77
319	274.36	155.3	-2566.09	-692.7	1069.85	1.77
320	281.99	205.15	-2742.1	-863.4	1078.03	1.77
321	334.81	247.51	-2011.46	-1033.42	1160.19	1.77
322	336.85	-67.97	-915.04	205.31	1507.08	2.56
323	349.05	120.17	-1977.15	-402.01	1400.12	1.77
324	385.54	136.53	-1436.01	-457.9	1405.07	1.77
325	345.43	169.9	-1852.88	-566.27	1398.55	1.77
326	376.45	137.8	-1755.35	-693.76	1393.88	1.77
327	375.65	156.08	-1823.96	-839.76	1405.4	1.77
328	389.8	197.16	-1491.81	-1009.95	1439.26	1.77

Combinazione SLVq1.5_X+--

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	220.49	-88.95	-1285.49	446.06	973.19	0.81
102	298.56	-79.01	-2048.84	411.2	1121.51	0.9
103	293.37	-70.12	-1667.05	322.93	1037.73	0.81
104	243.71	-73.16	-1870.16	270.43	1009.14	0.81
105	285.29	-68.13	-1434.14	255.14	1026.68	0.81
106	244.72	-78.53	-1829.48	286.85	1009.08	0.81
107	312.07	78.83	-1402.68	-260.42	1192.11	1.18
108	217.99	-120.06	-1918.42	502.81	1130.93	0.9
109	322.11	-97.9	-3006.94	420.99	1231.46	0.9
110	324.96	-74.1	-2751.75	343.65	1237.38	0.9
111	320.5	-72.35	-2480.69	303.19	1232.08	0.9
112	320.37	-67.68	-2529.17	287.66	1232.39	0.9
113	288.92	-70.16	-2284.75	292.63	1110.47	0.81
114	384.59	58.18	-1768.5	-239.34	1391.72	1.18
115	246.48	-122.89	-1885.59	504.78	1246.42	0.9
116	353.95	-103.15	-2998.95	426.15	1348.73	0.9
117	324.7	-82.83	-2520.83	330.32	1231.88	0.81
118	319.27	-67.02	-2251.25	277.97	1226.54	0.81
119	319.11	-65.31	-2247.81	266.88	1226.41	0.81
120	317.42	-70.91	-2232.26	294.39	1216.71	0.81
121	410.84	56.72	-1720.6	-237.62	1508.77	1.18
122	303.97	-98.17	-1340.06	459.84	1284.79	0.81
123	390.13	-86.41	-2125.95	424.33	1461.11	0.9
124	379.58	-59.23	-1743.42	313.71	1346.59	0.81
125	321.78	-99.52	-1879.42	295.35	1317.31	0.81
126	406.9	-108.25	-1600.57	313.18	1469.32	0.9
127	323.99	-106.79	-1786.43	313.14	1317.4	0.81
128	394.5	61.5	-1446.49	-230.35	1535.72	1.18

201	250.03	-119.15	-993.41	457.21	1173.51	0.11
202	300.12	-97.25	-1610.65	348.3	1113.06	0.07
203	289.9	-83.18	-1122.99	301.63	1103.07	0.07
204	290.71	-74.41	-1209.83	271.31	1101.75	0.07
205	282.85	-45.05	-1118.74	173.14	1095.24	0.07
206	281.79	-47.13	-1543.12	177.51	1091.2	0.07
207	284.7	-42.05	-1409.11	164.13	1096.93	0.07
208	286.81	-40.12	-1813.42	153.09	1097.32	0.07
209	320.68	-37.66	-1332.63	156.05	1274.96	0.11
210	157.07	-110.68	-1453.46	461.5	1051	0.11
211	333.85	-83.03	-2061.87	350.5	1148.78	0.07
212	282.4	-70.57	-1703.31	303.5	1096.09	0.07
213	287.61	-64.19	-1736.25	274.46	1101.06	0.07
214	289.95	-40.34	-1716.86	177.53	1104.03	0.07
215	257.49	-43	-1976.58	182.97	1065.42	0.07
216	289.48	-40.01	-2293.29	171.64	1104.51	0.07
217	286.09	-39.05	-2277.07	161.08	1092.26	0.07
218	380.73	-40.62	-1694.08	167.09	1371.95	0.11
219	160.1	-110.05	-1458.53	461.81	1055.62	0.11
220	304.34	-83.82	-2387.59	352.92	1114.3	0.07
221	284.73	-73.63	-2271.23	308.42	1099.3	0.07
222	287.42	-65.19	-2300.74	276.71	1101.21	0.07
223	287.18	-43.59	-2284.32	182.09	1101.16	0.07
224	286.5	-44.11	-2286.68	185.01	1100.12	0.07
225	287.46	-44.73	-2298.54	177.84	1102.53	0.07
226	286.13	-40.22	-2232.68	162.95	1092.77	0.07
227	379.99	-40.41	-1706.82	167.54	1371.08	0.11
228	245.35	-152.79	-1030.04	496.26	1170.25	0.11
229	292.69	-127.86	-1951.47	376.16	1107.27	0.07
230	286.83	-114.81	-1457.95	331.73	1103.36	0.07
231	291.2	-103.28	-1863.04	298.77	1105.48	0.07
232	286.95	-73.09	-1449.11	201.92	1103.93	0.07
233	290.34	-72.94	-1868.76	203.5	1104.47	0.07

234	288.05	-70.84	-1446.07	193.8	1104.8	0.07
235	288.83	-65.01	-1813.37	178.32	1102.7	0.07
236	320.14	-64.26	-1352.87	190.75	1277.64	0.11
301	313.07	147.36	-952.65	-510.07	1419.97	-0.01
302	334.63	-12.22	-2006.44	59.37	1333.29	0
303	360.75	22.11	-1446.55	-54.05	1326.07	0
304	332.56	42.52	-1803.59	-128.28	1332.37	0
305	270.31	18.51	-2328.48	-138.83	1222.8	0
306	55.17	10.87	-1072.3	-147.89	618.08	0.13
307	478.15	31.28	-1873.99	-180.44	1507.68	0
308	200.85	116.37	-1489.77	-482.64	1237.95	-0.01
309	346.04	-15.93	-2394.25	68.18	1279.33	0
310	327.1	12.29	-2247.49	-43.58	1264.68	0
311	327.69	28.6	-2300.64	-116.46	1265.28	0
312	323.81	38.91	-2569.17	-160.16	1259.84	0
313	332.76	-3.6	-2788.88	-126.49	1268.22	0
314	382.4	40.15	-1981.15	-186.45	1351.38	0
315	201.78	112.92	-1423.73	-479.26	1242.61	-0.01
316	347.11	-18.66	-2389.15	71.84	1283.74	0
317	329.08	6.4	-2255.04	-36.65	1270.19	0
318	328.88	25.76	-2213.24	-113.4	1269.97	0
319	325.06	26.93	-2545.81	-145.99	1264.06	0
320	332.94	40.83	-2721.14	-177.77	1272.31	0
321	381.8	42.11	-1988.49	-187.96	1353.38	0
322	249.41	133.99	-964.92	-481.89	1146.26	-0.01
323	268.72	-35.76	-1950.08	85.42	1078.18	0
324	295.67	-1.31	-1443.71	-25.82	1080.59	0
325	265.75	25.43	-1861.62	-106.02	1076.79	0
326	286.2	27.47	-1814.74	-152.34	1069.28	0
327	288.49	22.16	-1889.86	-162.88	1081.63	0
328	306.99	24.59	-1558.89	-173.9	1116.66	0

Combinazione SLVq1.5_X-+-

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	-273.76	142.38	-1575.53	-642.84	-987.5	-1.29
102	-277.91	123.17	-2135.99	-569.28	-1044.51	-1.42
103	-248.76	79	-1835.99	-391.96	-936.48	-1.29
104	-231.84	98.27	-1890.7	-318.08	-946.25	-1.29
105	-261.63	82.55	-1465	-254.92	-948.88	-1.29
106	-233.7	74.23	-1943.81	-229.33	-947.12	-1.29
107	-216.06	-96.49	-978.54	377.71	-1000.88	-1.88
108	-373.3	169.98	-2141.88	-705.07	-1312.55	-1.42
109	-319.51	135.51	-2942.14	-568.37	-1226.19	-1.42
110	-312.36	110.02	-2776.26	-448.52	-1219.06	-1.42
111	-317.54	81.28	-2547.78	-334.47	-1224.54	-1.42
112	-316.59	65.8	-2476.83	-264.74	-1223.94	-1.42
113	-336.35	58.32	-2613.13	-237.46	-1239.65	-1.42
114	-163.63	-92.14	-1505.2	384.75	-1070.15	-1.88
115	-421.29	170.48	-2194.08	-704.04	-1502	-1.42
116	-370.05	132.76	-2977.95	-563.91	-1415.47	-1.42
117	-329.67	85.25	-2516.76	-390.03	-1279.94	-1.29
118	-332.54	70.65	-2195.6	-301.17	-1284.58	-1.29
119	-332.67	54.16	-2178.23	-234.79	-1284.69	-1.29
120	-351.53	50.67	-2310.57	-213.7	-1299.21	-1.29
121	-206.07	-92.38	-1424.99	385.83	-1259.87	-1.88
122	-402.14	126.07	-1516.76	-627.01	-1490.19	-1.29
123	-428.33	105.03	-2032.63	-553.07	-1603.05	-1.42
124	-391.04	81.46	-1746.46	-398.73	-1446.45	-1.29
125	-358.11	86.19	-1856.98	-297.12	-1450.32	-1.29
126	-399.47	65.16	-1437.45	-228.81	-1456.93	-1.29
127	-361.79	59.45	-1980.05	-206.54	-1451.88	-1.29
128	-350.57	-128.8	-909.11	416.16	-1564.91	-1.88

201	-326.46	111.46	-1346.84	-378.39	-1317.62	0.22
202	-291.27	94.8	-1527.09	-297.22	-1134.72	0.15
203	-296.67	89.34	-1136.36	-277.22	-1143.4	0.15
204	-301.09	87.29	-1250.48	-271.24	-1146.14	0.15
205	-302.59	65.69	-1141.31	-198.68	-1150.92	0.15
206	-310.03	73.24	-1571.59	-225.93	-1156.7	0.15
207	-301.85	79.35	-1439.75	-242.19	-1149.53	0.15
208	-304.6	80.59	-1988.8	-251.37	-1150.47	0.15
209	-255.62	89.79	-1042.43	-300.97	-1216.06	0.22
210	-387.88	86.29	-1717.26	-355.29	-1393.83	0.22
211	-260.43	71.8	-1993.07	-285.55	-1072.72	0.15
212	-293.87	68.35	-1734.11	-266.82	-1120.5	0.15
213	-291.31	65.98	-1745.81	-260.11	-1116.26	0.15
214	-288.51	48.94	-1729.51	-188.82	-1113.16	0.15
215	-321.47	53.89	-1985.2	-214.57	-1151.9	0.15
216	-286.69	57.63	-2290.11	-228.79	-1112.05	0.15
217	-308.29	58.2	-2384.67	-237.64	-1129.27	0.15
218	-164.1	67.61	-1453.49	-279.36	-1072.82	0.22
219	-377.05	84.45	-1691.3	-353.6	-1355.45	0.22
220	-281.5	68.04	-2269.91	-282.37	-1076.76	0.15
221	-283.18	62.65	-2271.23	-261.22	-1086.85	0.15
222	-283.28	62.76	-2264.11	-257.29	-1085.71	0.15
223	-283	44.15	-2269.96	-183.87	-1085.61	0.15
224	-284.2	51.13	-2279.66	-212.1	-1086.79	0.15
225	-280.45	51.42	-2254.94	-222.22	-1083.62	0.15
226	-299.71	55.76	-2302.91	-235.46	-1098.29	0.15
227	-157.22	65.8	-1437.98	-277.8	-1040.02	0.22
228	-308.64	96.69	-1334.4	-349.91	-1226.91	0.22
229	-276.88	80.44	-1816.62	-273.48	-1056.65	0.15
230	-276.26	72.34	-1440.05	-250.84	-1058.78	0.15
231	-278.42	72.24	-1861.64	-247.29	-1058.45	0.15
232	-275.2	47.09	-1442.09	-172.3	-1057.94	0.15
233	-279.28	57.71	-1854.57	-202.51	-1059.46	0.15

234	-275.04	61.03	-1445.49	-215.12	-1057.34	0.15
235	-280.76	66.34	-1941.78	-228.76	-1061.22	0.15
236	-233.69	73.18	-1018.16	-271.73	-1119.44	0.22
301	-373.52	-83.41	-1446.72	326.22	-1439.3	-0.47
302	-294.89	58.26	-1791.48	-175.22	-1219.98	-0.32
303	-348.69	14.67	-1446.52	-24.48	-1249.72	-0.32
304	-293.77	-21.62	-1791.08	94.94	-1220	-0.32
305	-431.27	-53.4	-2122	202.71	-1350.77	-0.32
306	-54.66	-10.03	-1023.39	130.08	-611.59	-0.33
307	-141.72	-73.16	-1771.58	310.52	-1042.85	-0.32
308	-410.28	-80.89	-1778.24	334.75	-1506.81	-0.47
309	-316.6	40.84	-2272.73	-163.17	-1215.26	-0.32
310	-318.44	6.2	-2310.49	-14.81	-1225.08	-0.32
311	-318.21	-23.86	-2269.81	103.3	-1224.59	-0.32
312	-323.87	-40.1	-2514.35	183.29	-1230.53	-0.32
313	-321.02	-102	-2873.67	302.01	-1223.88	-0.32
314	-218.44	-77.5	-1750.63	308.21	-1125.76	-0.32
315	-424.26	-81.2	-1726.38	336.34	-1568.37	-0.47
316	-331.68	36.88	-2270.12	-159.21	-1270.92	-0.32
317	-332.29	0.3	-2290.89	-7.91	-1279.56	-0.32
318	-332.38	-25.98	-2235.71	106.15	-1279.76	-0.32
319	-339.81	-52.46	-2528.74	197.56	-1286.68	-0.32
320	-335.58	-61.75	-2790.48	251.88	-1279.47	-0.32
321	-235.15	-77.55	-1749.05	307.26	-1183.86	-0.32
322	-341.81	-114.25	-1415.19	364.23	-1322.72	-0.47
323	-276.92	40.45	-1807.17	-150.5	-1128.18	-0.32
324	-315.3	-9.42	-1451.87	4.13	-1144.36	-0.32
325	-275.19	-43.88	-1871.58	118.73	-1128.24	-0.32
326	-326.45	-36.93	-1687.56	187.14	-1156.14	-0.32
327	-303.17	-60.45	-1927.68	261.25	-1137.82	-0.32
328	-254.51	-75.3	-1306.07	315.82	-1094.21	-0.32

Combinazione SLVq1.5_X---

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	-371.04	-45.16	-1528.47	236.04	-1368.37	0.49
102	-355.49	-35.78	-1876.89	198.57	-1331.95	0.49
103	-354.8	-40.43	-1782.43	182.01	-1319.75	0.49
104	-325.81	-41.46	-1853.03	161.33	-1326.22	0.49
105	-367.75	-46.39	-1438.24	180.92	-1332.16	0.49
106	-328.15	-66.88	-1996.47	246.37	-1327.22	0.49
107	-319.03	85.23	-921.06	-281.21	-1426.81	0.71
108	-411.41	-64.41	-2166.51	269.67	-1467.19	0.54
109	-360.58	-52.11	-2954.83	226.49	-1381.65	0.54
110	-353.28	-37.96	-2794.61	187.65	-1374.48	0.54
111	-357.69	-43.91	-2530.69	184.99	-1379.75	0.54
112	-357.2	-48.41	-2460.6	207.32	-1379.28	0.54
113	-377.71	-66.79	-2633.78	278.05	-1395.19	0.54
114	-198.55	63.38	-1490.04	-259.48	-1225.93	0.71
115	-391.71	-65.82	-2165.66	271.25	-1383.08	0.54
116	-338.24	-56.73	-2953.68	231.47	-1295.96	0.54
117	-330.91	-55.22	-2742.95	207.42	-1288.45	0.54
118	-304.45	-41.57	-2216.13	170.63	-1176.16	0.49
119	-304.16	-48.01	-2197.81	193.91	-1176.16	0.49
120	-322.53	-61.29	-2334.79	254.48	-1190.54	0.49
121	-179.16	61.05	-1438.9	-257.22	-1140.09	0.71
122	-312.85	-53.47	-1575.17	249.58	-1142.69	0.49
123	-325.02	-48.98	-2109.94	232.19	-1219.42	0.54
124	-293.79	-33.63	-1807.66	173.96	-1096.79	0.49
125	-272.14	-65.29	-1866.28	185.54	-1103.73	0.49
126	-303.02	-74.76	-1445.55	209.95	-1107.51	0.49
127	-275.11	-93.76	-1952.73	272.27	-1105.09	0.49
128	-256.63	67.34	-964.23	-250.86	-1176.44	0.71

201	-270.72	-8.45	-1310.59	53.94	-1080.08	-1.02
202	-234.39	-15.49	-1495.87	72.75	-920.89	-0.7
203	-240.08	-24.43	-1113.32	104.2	-929.64	-0.7
204	-244.16	-36.14	-1220.13	142.93	-932.29	-0.7
205	-246.1	-72.47	-1113.17	265.11	-937.18	-0.7
206	-253.09	-83.28	-1532.69	299.58	-942.85	-0.7
207	-245.25	-98.07	-1402.3	353.39	-935.77	-0.7
208	-247.71	-118.98	-1925.14	419.9	-936.63	-0.7
209	-200.07	-145.16	-1012.98	548.96	-978.63	-1.02
210	-363.53	-15.81	-1703.7	67.17	-1285.48	-1.02
211	-233.8	-17.1	-1979.78	79.07	-974.42	-0.7
212	-268.07	-23.25	-1720.99	109.01	-1022.41	-0.7
213	-265.39	-33.38	-1731.82	147.96	-1018.14	-0.7
214	-262.62	-62.45	-1712.6	268.15	-1015.05	-0.7
215	-295.54	-72.1	-1967.24	303.17	-1053.78	-0.7
216	-260.9	-85.11	-2270.02	357.97	-1013.97	-0.7
217	-281.68	-102.61	-2357.85	423.78	-1030.98	-0.7
218	-139.83	-132.79	-1443.26	551.26	-964.51	-1.02
219	-382.12	-16.15	-1704.05	68.03	-1377.88	-1.02
220	-287.02	-19.25	-2287.27	81.85	-1097.1	-0.7
221	-288.55	-27.27	-2288.94	114.18	-1107.15	-0.7
222	-288.67	-34.9	-2283.41	150.35	-1106.02	-0.7
223	-288.38	-65.32	-2292.75	272.62	-1105.92	-0.7
224	-289.59	-72.74	-2303.9	305.09	-1107.1	-0.7
225	-285.82	-88.96	-2282.18	363.94	-1103.93	-0.7
226	-305.21	-102.54	-2333.96	425.32	-1118.63	-0.7
227	-162.23	-131.72	-1462.51	551.21	-1062.42	-1.02
228	-343.84	-32.94	-1353.78	87.8	-1376.27	-1.02
229	-312.66	-39.31	-1806.25	98.85	-1191.02	-0.7
230	-311.85	-51.14	-1447.29	133.03	-1193.11	-0.7
231	-314.21	-61.73	-1868.85	169.55	-1192.83	-0.7
232	-310.73	-102.85	-1450.88	294.48	-1192.26	-0.7
233	-315.07	-112.19	-1862.99	326.39	-1193.84	-0.7

234	-310.63	-131.5	-1457.08	384.3	-1191.67	-0.7
235	-316.52	-150.34	-1959.02	446.87	-1195.59	-0.7
236	-269.06	-180.71	-1030.14	588.78	-1268.9	-1.02
301	-239.09	103.73	-1363.17	-352.66	-880.34	-3.04
302	-170.93	-85.36	-1848.91	309.03	-720.73	-2.08
303	-210.2	-112.34	-1420.28	404.73	-746.43	-2.08
304	-170.38	-154.94	-1758.55	552.09	-720.91	-2.08
305	-290.88	-169.25	-2062.03	745.76	-846.93	-2.08
306	-35.32	-48.9	-1030.84	572.74	-372.96	-2.17
307	-24	-255.7	-1691.4	1149.45	-545.36	-2.08
308	-337.93	79.16	-1744.7	-328.9	-1182.37	-3.04
309	-238.37	-74.86	-2293.91	313.86	-920.47	-2.08
310	-242.02	-96.09	-2295.44	407.82	-930.8	-2.08
311	-242.12	-132.37	-2255.12	553.58	-930.41	-2.08
312	-246.82	-167.33	-2529.36	729.67	-936.08	-2.08
313	-243.28	-256.44	-2842.51	984.81	-929.23	-2.08
314	-147.17	-280.7	-1782.64	1153.04	-832.94	-2.08
315	-376.54	76.84	-1703.17	-326.19	-1354.27	-3.04
316	-279.89	-76.94	-2296.85	317.35	-1076.4	-2.08
317	-281.82	-100.23	-2309.79	414.26	-1085.41	-2.08
318	-281.84	-132.98	-2255.48	556	-1085.58	-2.08
319	-289.11	-180.83	-2508.47	744.27	-1092.47	-2.08
320	-284.63	-226.07	-2769.51	937.51	-1085.18	-2.08
321	-188.16	-282.94	-1726.09	1152.72	-990.67	-2.08
322	-429.25	87.71	-1465.08	-322.98	-1683.54	-3.04
323	-357.25	-115.48	-1780.09	336.93	-1450.11	-2.08
324	-405.17	-147.26	-1459.56	436.21	-1468.85	-2.08
325	-354.88	-188.36	-1880.32	578.97	-1450	-2.08
326	-416.7	-147.26	-1746.95	728.56	-1480.74	-2.08
327	-390.34	-194.37	-1993.59	938.13	-1461.59	-2.08
328	-337.32	-247.88	-1373.14	1151.87	-1416.81	-2.08

Combinazione SLVq1.5_Y+++

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	186.26	272.25	-1464.87	-1264.83	831.4	-2.44
102	235.02	219.67	-1995.46	-1051.02	877	-2.44
103	256.27	176.1	-1814.68	-860.49	894.93	-2.44
104	210.71	231.58	-1945.72	-774.1	867.78	-2.44
105	247.97	232.56	-1496.8	-762.71	883.83	-2.44
106	211.57	267.94	-1792.22	-885.55	867.67	-2.44
107	276.36	-249.96	-1349.15	926.24	1034.87	-3.55
108	65.83	334.35	-1954.63	-1395.19	503.1	-2.69
109	157.21	274.15	-2965.2	-1160.82	599.99	-2.69
110	161.97	230.86	-2729.79	-967.89	606.47	-2.69
111	156.6	200.51	-2534.9	-828.58	600.95	-2.69
112	157.54	198.68	-2541.61	-814.66	601.55	-2.69
113	150.07	230.16	-2516.75	-948.26	589.27	-2.69
114	244.34	-222.88	-1702.5	920.95	759.74	-3.55
115	-28.41	335.82	-2035.17	-1394.43	123.44	-2.69
116	56.59	272.89	-3037.03	-1156.78	219.53	-2.69
117	62.21	215.93	-2814.93	-948.78	226.58	-2.69
118	58.21	195.31	-2414.84	-824.95	221.23	-2.69
119	52.17	173.01	-2186.25	-734.19	200.83	-2.44
120	43.77	204.24	-2208.76	-859.18	189.27	-2.44
121	158.35	-220.81	-1591.65	920.74	377.7	-3.55
122	-67.87	247.23	-1297.68	-1246.55	-168.58	-2.44
123	-36.89	196.72	-1790.38	-1034.45	-130.47	-2.44
124	-25.66	176.8	-1639.85	-866.73	-115.88	-2.44
125	-36.09	230.82	-1854.71	-756.24	-132.23	-2.44
126	-34.1	227.92	-1433.79	-740.03	-126.39	-2.44
127	-36.93	269.52	-1892.6	-867.13	-132.98	-2.44
128	2.55	-293.83	-1180.11	970.94	-88.89	-3.55

201	-32.2	233.32	-1183.82	-821.37	-38.54	1.83
202	11.31	208.76	-1652.73	-683.37	20.63	1.26
203	2.87	209.59	-1175.13	-682.98	11.09	1.26
204	1.69	219.26	-1282.29	-715.55	9.26	1.26
205	-3.61	244.71	-1177.76	-799.54	3.41	1.26
206	-7.26	266.5	-1620.67	-873.8	-1.3	1.26
207	-2.32	297.04	-1482.28	-970.93	4.95	1.26
208	-2.03	326.25	-1975.84	-1074.33	4.87	1.26
209	38.86	379.86	-1283.71	-1347.24	63.14	1.83
210	-71.22	190.04	-1571.02	-787.92	28.78	1.83
211	84.7	163.75	-2066.88	-665.85	220.31	1.26
212	40.88	165.19	-1740.51	-666.42	169.66	1.26
213	44.96	172.24	-1766.37	-697.74	174.32	1.26
214	47.51	193.26	-1752	-780.87	177.34	1.26
215	14.82	209.44	-2010.86	-852.94	138.67	1.26
216	48	232.75	-2326.1	-946.9	178.08	1.26
217	36.92	256.06	-2358.49	-1048.74	163.78	1.26
218	152.64	315.02	-1627.85	-1302.06	349.84	1.83
219	-25.39	186.46	-1514.6	-785.23	222.22	1.83
220	102.1	158.52	-2308.54	-662.27	356.81	1.26
221	88.68	157.82	-2235.54	-660.39	343.52	1.26
222	90.41	167.23	-2251.05	-694.47	345.16	1.26
223	90.34	186	-2237.89	-775.29	345.16	1.26
224	89.49	204.05	-2242	-849.82	344.07	1.26
225	91.42	223.55	-2237.28	-939.58	346.75	1.26
226	83.86	250.35	-2207.19	-1045.74	335.27	1.26
227	194.39	309.9	-1570.41	-1298.67	537.62	1.83
228	94.46	228.21	-1107.56	-798.4	511.17	1.83
229	136.9	204.33	-1916.58	-662.28	511.33	1.26
230	133.28	202.91	-1436.71	-659.32	508.05	1.26
231	135.41	215.48	-1848.96	-694.52	509.54	1.26
232	133.65	241.36	-1430.69	-777.03	508.7	1.26
233	134.55	267.48	-1849	-854.54	508.52	1.26

234	134.51	297.2	-1426.64	-948.48	509.5	1.26
235	133.01	332.86	-1833.51	-1056.87	506.75	1.26
236	169.61	386.87	-1207.76	-1331.06	618.75	1.83
301	-214.24	-338.22	-1293.06	1257.65	-777.05	5.6
302	-150.73	235.87	-1806.78	-771.95	-629.31	3.86
303	-183.13	236.85	-1491.48	-777	-653.05	3.86
304	-150.5	272.9	-1860.07	-918.28	-629.57	3.86
305	-274.86	229.9	-2367.4	-1124.85	-756.71	3.86
306	-24.43	83.58	-1041.43	-969.27	-322.39	4.06
307	8.68	391.86	-1997.44	-1817.1	-450.38	3.86
308	-158.74	-299.37	-1654.14	1245.38	-376.54	5.6
309	-43.27	183.78	-2307.27	-751.14	-187.91	3.86
310	-52.7	185.18	-2295.77	-755.68	-199.86	3.86
311	-51.47	216.16	-2317.21	-894.61	-199.08	3.86
312	-58.21	270.35	-2520.42	-1152.14	-205.35	3.86
313	-52.07	290.14	-2884.33	-1419.23	-197.74	3.86
314	29.34	438.79	-1834.33	-1834.15	-105.56	3.86
315	-92.95	-297.33	-1572.85	1245.63	-80.08	5.6
316	27.34	177.68	-2305.76	-746.64	81.8	3.86
317	17.59	176.27	-2234.85	-747.96	70.57	3.86
318	17.16	210.75	-2184.3	-890.84	70.28	3.86
319	12.4	260.64	-2580.06	-1138.64	64.13	3.86
320	19.17	353.2	-2787.59	-1475.92	72.08	3.86
321	92.85	444.42	-1947.97	-1836.73	160.11	3.86
322	240.08	-389.67	-1013.75	1307.48	1103.58	5.6
323	261.34	233.46	-1960.02	-751.13	1040.12	3.86
324	284.5	231.73	-1433.56	-753.51	1041.2	3.86
325	258.71	275.1	-1851.1	-901.37	1038.84	3.86
326	276.6	230.02	-1653.86	-1135.66	1030.4	3.86
327	280.15	279.85	-1769.95	-1445.05	1043.18	3.86
328	299.62	366.5	-1339.99	-1805.09	1078.56	3.86

Combinazione SLVq1.5_Y+-+

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	8.8	285.38	-1537.76	-1327.84	128.93	-2.54
102	46.94	230.48	-1999.75	-1103.59	171.55	-2.54
103	61.82	185.01	-1849.29	-902.77	187.68	-2.54
104	39.86	241.08	-1940.59	-806.83	167.17	-2.54
105	52.06	239.08	-1498.03	-784.98	176.18	-2.54
106	39.7	271.44	-1842.32	-897.69	166.78	-2.54
107	87.03	-248.04	-1204.66	920	249.19	-3.69
108	-122.99	351.05	-2029.06	-1465.13	-276.34	-2.79
109	-43.27	261.71	-2681.42	-1108.33	-167.22	-2.54
110	-41.5	241.7	-2742.65	-1014.69	-177.09	-2.79
111	-46.85	209.04	-2549.9	-864.04	-182.6	-2.79
112	-45.73	204.47	-2521.03	-838.76	-181.95	-2.79
113	-58.59	233.28	-2552.92	-961.42	-195.74	-2.79
114	69.4	-221.32	-1618.96	914.91	-25.55	-3.69
115	-219.87	352.95	-2119.2	-1464.49	-665.41	-2.79
116	-151.07	286.81	-3023.45	-1215.18	-573.87	-2.79
117	-144.22	226.69	-2805.94	-995.56	-566.47	-2.79
118	-147.62	203.7	-2403.24	-860.37	-571.66	-2.79
119	-148.3	196.02	-2388.38	-831.69	-571.93	-2.79
120	-148.22	207.13	-2239.52	-871.16	-532.9	-2.54
121	-18.65	-219.51	-1507.14	914.86	-416.95	-3.69
122	-252.92	260.64	-1368.21	-1309.63	-896.82	-2.54
123	-231.93	206.93	-1786.02	-1086.85	-861.52	-2.54
124	-227.67	184.48	-1659.12	-908.65	-848.9	-2.54
125	-214.27	241.09	-1850.76	-789.18	-858.55	-2.54
126	-235.98	235.01	-1430.94	-762.46	-859.36	-2.54
127	-216.66	273.42	-1942.49	-879.39	-859.73	-2.54
128	-192.79	-292.08	-1035.44	964.79	-902.54	-3.69

201	-188.42	266.53	-1278.97	-942.35	-714.62	1.49
202	-149.04	233.29	-1618.29	-766.04	-589.56	1.02
203	-156.12	227.21	-1172.22	-742.21	-598.72	1.02
204	-158.77	230.74	-1285.38	-754.06	-600.95	1.02
205	-162.3	236.48	-1176.09	-771.95	-606.32	1.02
206	-167.73	255.66	-1617.54	-837.18	-611.52	1.02
207	-161.31	280.24	-1480.24	-914.16	-604.86	1.02
208	-162.38	302.6	-2009.36	-994.28	-605.31	1.02
209	-117.36	347.61	-1187.82	-1229.36	-612.94	1.49
210	-227.4	218.5	-1646.09	-906.21	-672.16	1.49
211	-85.6	183.53	-2042.26	-747.27	-416.66	1.02
212	-124.26	179.39	-1745.81	-724.77	-465.9	1.02
213	-120.94	181.48	-1765.05	-735.69	-461.44	1.02
214	-118.26	186.63	-1750.72	-753.69	-458.38	1.02
215	-151.09	200.71	-2008.06	-816.88	-497.09	1.02
216	-117.11	219.22	-2319.12	-891	-457.46	1.02
217	-133.41	237	-2382.72	-969.93	-473.19	1.02
218	-3.53	287.37	-1552.61	-1186.81	-351.09	1.49
219	-188.05	214.63	-1588.26	-903.36	-507.83	1.49
220	-75.31	177.89	-2278.44	-743.59	-306.61	1.02
221	-83.3	171.72	-2240.86	-718.66	-318.42	1.02
222	-82.41	176.31	-2245.85	-732.37	-317.01	1.02
223	-82.33	179.48	-2240.42	-748.14	-316.96	1.02
224	-83.34	195.46	-2247.17	-813.8	-318.09	1.02
225	-80.57	210.28	-2232.38	-883.75	-315.19	1.02
226	-93.54	231.65	-2237.57	-967.03	-328.15	1.02
227	31.73	282.51	-1497.11	-1183.57	-192.43	1.49
228	-82.3	264.17	-1204.68	-920.94	-252.79	1.49
229	-44.7	230.89	-1873.02	-745.48	-178.16	1.02
230	-46.32	222.01	-1433.51	-718.93	-180.89	1.02
231	-46.21	227.95	-1850.7	-733.28	-179.95	1.02
232	-45.65	232.43	-1431.22	-749.27	-180.16	1.02
233	-47.07	255.71	-1847.27	-817.68	-180.97	1.02

234	-45.1	279.01	-1429.95	-891.33	-179.44	1.02
235	-48.59	307.26	-1877.21	-976.31	-182.74	1.02
236	-7.15	351.93	-1110.95	-1211.65	-145.21	1.49
301	-379.88	-351.31	-1416.22	1304.87	-1467.15	4.69
302	-302.4	213.93	-1759.52	-697.05	-1245.51	3.23
303	-354.41	196.52	-1483.6	-639.37	-1274.8	3.23
304	-301.38	213.66	-1846.56	-714.17	-1245.56	3.23
305	-443.22	173.58	-2287.47	-859.48	-1377.63	3.23
306	-51.58	65.65	-1028.99	-753.08	-619.7	3.37
307	-141.97	305.77	-1942.66	-1418.13	-1066.3	3.23
308	-320.38	-310.53	-1730.62	1291.5	-1102.63	4.69
309	-218.59	166.1	-2277.17	-677.44	-847.85	3.23
310	-223.43	152.67	-2310.16	-620.26	-858.51	3.23
311	-222.41	167.87	-2303.55	-693.59	-857.79	3.23
312	-229.4	208.47	-2508.48	-885.19	-864.12	3.23
313	-224.88	214.29	-2900.42	-1085.84	-856.98	3.23
314	-129.53	342.54	-1774.78	-1432.3	-760.85	3.23
315	-266.44	-308.16	-1656.68	1291.55	-859.15	4.69
316	-160.76	160.2	-2278.07	-672.99	-626.24	3.23
317	-165.68	144.28	-2251.27	-612.69	-636.11	3.23
318	-166.05	163.13	-2196.98	-690.02	-636.39	3.23
319	-171.85	198.31	-2568.86	-871.56	-642.83	3.23
320	-166.11	273.13	-2802.1	-1141.33	-635.17	3.23
321	-78.14	346.91	-1869.24	-1434.52	-543.11	3.23
322	36.48	-403.55	-1163.79	1355.15	254.64	4.69
323	73.55	209.54	-1909.02	-675.67	281.63	3.23
324	74.25	187.95	-1438.31	-614.9	276.37	3.23
325	72.52	210.97	-1856.71	-695.87	280.8	3.23
326	65.73	177.6	-1633.53	-871.39	265.39	3.23
327	76.51	214.89	-1801.07	-1114.75	280.21	3.23
328	106.33	284.76	-1284.27	-1407.36	318.51	3.23

Combinazione SLVq1.5_Y-++

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	-138.01	-352.87	-1308.01	1664.77	-438.17	3.5
102	-107.8	-272.86	-1779.06	1335.98	-397.65	3.5
103	-97.22	-222.01	-1636.12	1052.76	-382.63	3.5
104	-102.53	-234.18	-1820.17	823.93	-398.78	3.5
105	-105.75	-197.23	-1407.59	690.07	-393.76	3.5
106	-103.29	-202.43	-1967.75	700.12	-399.34	3.5
107	-66.87	355.75	-1157.53	-1270.18	-384.9	5.09
108	-61.2	-446.93	-2036.7	1853.96	-12.39	3.85
109	18.46	-319.32	-2734.08	1353.36	74.34	3.5
110	25.56	-262.41	-2790.96	1152.68	88.39	3.85
111	22.76	-216.79	-2477.91	902.95	83.59	3.85
112	22.18	-182	-2487.49	758.87	83.77	3.85
113	12.18	-186.89	-2585.58	770.08	70.8	3.85
114	127.97	295.53	-1651.95	-1226.48	240.46	5.09
115	70.19	-451.86	-1940.44	1856.54	519.82	3.85
116	147.83	-326.15	-2687.41	1358.64	561.73	3.5
117	167.97	-280.73	-2729.99	1172.75	624.88	3.85
118	161.2	-216.18	-2490.13	904.98	618.76	3.85
119	161.92	-184.32	-2476.65	764.3	618.88	3.85
120	154.49	-185.86	-2518.46	771.56	606.65	3.85
121	248.05	290.63	-1638.02	-1222.78	776.97	5.09
122	229.73	-351.23	-1492.39	1675.42	989.74	3.5
123	276.16	-269.96	-2024.67	1345.11	1032.03	3.5
124	298.51	-206.84	-1843.84	1042.25	1049.64	3.5
125	250.49	-274.1	-1885.72	852.64	1023.09	3.5
126	287.41	-238.48	-1460.79	722.5	1038.37	3.5
127	252	-241.17	-1801.55	728.93	1022.99	3.5
128	315.69	359.97	-1363.85	-1252.45	1206	5.09

201	153.59	-166.39	-1062.98	619.75	753.25	-2.33
202	200.91	-158.87	-1548.67	549.86	733.41	-1.6
203	191.52	-169.65	-1098.32	588.41	723.63	-1.6
204	191.45	-192.17	-1181.1	665.02	722.08	-1.6
205	184.66	-215.83	-1083.96	746.41	715.86	-1.6
206	182.54	-255.24	-1491	877.87	711.53	-1.6
207	186.33	-294.33	-1357.44	1014.32	717.49	-1.6
208	187.61	-339	-1763.64	1163.26	717.66	-1.6
209	224.03	-403.32	-1185.55	1485.86	854.58	-2.33
210	9.96	-150.28	-1525.82	620.29	389.97	-2.33
211	173.47	-132.6	-2022.61	549.57	547.95	-1.6
212	126.87	-140.13	-1696.78	586.34	496.6	-1.6
213	131.39	-158.96	-1719.75	662.49	501.37	-1.6
214	133.82	-178.03	-1695.65	742.39	504.37	-1.6
215	101.25	-210.55	-1950.99	872.84	465.73	-1.6
216	133.98	-243.07	-2259.12	1008.96	505.03	-1.6
217	125.65	-280	-2269.08	1156.01	491.41	-1.6
218	233.53	-352.99	-1593.76	1466.67	710.87	-2.33
219	-42.26	-148.86	-1557.09	620.21	147.45	-2.33
220	83.72	-132.47	-2366.4	551.8	289.01	-1.6
221	70.79	-141.89	-2294.6	590.96	275.84	-1.6
222	72.42	-158.33	-2315.36	664.34	277.46	-1.6
223	72.4	-178.92	-2313.86	746.35	277.47	-1.6
224	71.52	-208.84	-2322.81	874.16	276.37	-1.6
225	73.51	-244.4	-2328.1	1014.27	279.06	-1.6
226	65.53	-277.31	-2310.67	1156.87	267.48	-1.6
227	177.69	-348.49	-1652.17	1464.68	462.94	-2.33
228	-22.87	-203.87	-1172.14	660.65	13.3	-2.33
229	17.64	-194.84	-1882.02	578.84	63.4	-1.6
230	14.66	-208.71	-1460.84	620.23	60.29	-1.6
231	16.1	-231.1	-1872.99	694.96	61.6	-1.6
232	15.23	-258.44	-1459.99	778.89	60.99	-1.6
233	15.24	-298.83	-1877.06	908.47	60.59	-1.6

234	15.88	-344.58	-1465.27	1049.59	61.73	-1.6
235	13.8	-389.4	-1890.98	1195.2	58.84	-1.6
236	51.72	-459.42	-1247.7	1537.32	120.57	-2.33
301	233.85	285.58	-1014.59	-1005.29	1086.13	-2.97
302	262.46	-242.88	-1998.2	842.22	1034.88	-2.04
303	278.51	-186.52	-1404.01	653.68	1024.61	-2.04
304	260.81	-171.51	-1751.65	605.55	1034.08	-2.04
305	193.11	-156.27	-2167.51	685.32	922.75	-2.04
306	40.03	-45.98	-1066.28	506.25	473.03	-2.07
307	401.08	-216.6	-1730.17	979.33	1207.92	-2.04
308	82.42	234.11	-1542.33	-966.81	704.94	-2.97
309	217.49	-201.89	-2377.87	838.99	794.71	-2.04
310	202.05	-155.79	-2245.64	653.09	781.06	-2.04
311	202.17	-145.54	-2268.24	606.31	781.52	-2.04
312	198.61	-153.77	-2570.44	669.13	776.16	-2.04
313	207.06	-224.65	-2780.47	856.77	784.41	-2.04
314	266.9	-238.57	-1941.04	981.96	870.5	-2.04
315	66.13	229.46	-1495.48	-962.8	633.56	-2.97
316	199.98	-201.73	-2394.87	841.87	730.21	-2.04
317	185.82	-158.84	-2297.87	659.25	717.75	-2.04
318	185.62	-145.92	-2250.21	608.68	717.52	-2.04
319	181.39	-167.27	-2512.49	683.72	711.51	-2.04
320	189.02	-194.55	-2717.69	809.51	719.71	-2.04
321	249.48	-240.23	-1871.43	981.47	804.06	-2.04
322	-51.4	283.52	-1180.04	-983.22	-99.14	-2.97
323	-6.44	-286.3	-1869.77	873.64	-33	-2.04
324	-15.06	-227.74	-1459.2	686.77	-40.42	-2.04
325	-6.92	-206.48	-1880.23	632.78	-33.7	-2.04
326	-24.24	-137.75	-1851.83	669.06	-51.6	-2.04
327	-10.39	-166.57	-1989.63	811.22	-36.05	-2.04
328	23.58	-208.76	-1563.56	981.75	3.23	-2.04

Combinazione SLVq1.5_Y--+

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	-315.47	-339.74	-1380.9	1601.77	-1140.64	3.4
102	-295.87	-262.05	-1783.35	1283.41	-1103.1	3.4
103	-291.67	-213.1	-1670.73	1010.48	-1089.88	3.4
104	-300.73	-247.14	-1996.54	870.32	-1209.33	3.74
105	-301.67	-190.7	-1408.81	667.8	-1101.41	3.4
106	-275.15	-198.94	-2017.85	687.98	-1100.23	3.4
107	-256.2	357.67	-1013.05	-1276.41	-1170.57	4.95
108	-227.28	-391.13	-1919.21	1621.84	-719.84	3.4
109	-167.73	-306.84	-2719.86	1300.31	-638.32	3.4
110	-177.91	-251.57	-2803.82	1105.88	-695.16	3.74
111	-180.69	-208.26	-2492.9	867.49	-699.95	3.74
112	-181.09	-176.22	-2466.92	734.76	-699.73	3.74
113	-196.48	-183.77	-2621.75	756.93	-714.22	3.74
114	-46.97	297.09	-1568.41	-1232.52	-544.84	4.95
115	-121.27	-434.74	-2024.46	1786.48	-269.03	3.74
116	-40.95	-313.49	-2675.06	1305.55	-159.55	3.4
117	-38.45	-269.96	-2721.01	1125.97	-168.17	3.74
118	-44.63	-207.79	-2478.54	869.55	-174.13	3.74
119	-43.76	-178.62	-2460.15	740.22	-173.97	3.74
120	-56.69	-182.69	-2552.29	758.39	-187.75	3.74
121	71.05	291.93	-1553.51	-1228.66	-17.68	4.95
122	44.69	-337.82	-1562.93	1612.34	261.49	3.4
123	81.11	-259.75	-2020.3	1292.71	300.98	3.4
124	96.5	-199.16	-1863.11	1000.33	316.63	3.4
125	72.32	-263.83	-1881.78	819.69	296.78	3.4
126	85.53	-231.38	-1457.94	700.07	305.39	3.4
127	72.27	-237.26	-1851.45	716.67	296.24	3.4
128	120.35	361.72	-1219.17	-1258.6	392.35	4.95

201	-2.63	-133.18	-1158.13	498.77	77.17	-2.66
202	40.55	-134.34	-1514.23	467.2	123.22	-1.83
203	32.53	-152.02	-1095.42	529.18	113.82	-1.83
204	30.99	-180.69	-1184.19	626.5	111.87	-1.83
205	25.97	-224.06	-1082.29	774	106.13	-1.83
206	22.08	-266.09	-1487.87	914.49	101.31	-1.83
207	27.35	-311.14	-1355.4	1071.09	107.68	-1.83
208	27.26	-362.66	-1797.16	1243.3	107.48	-1.83
209	67.8	-435.56	-1089.65	1603.74	178.5	-2.66
210	-146.22	-121.81	-1600.89	501.99	-310.98	-2.66
211	3.17	-112.82	-1997.99	468.14	-89.01	-1.83
212	-38.27	-125.94	-1702.08	527.99	-138.95	-1.83
213	-34.51	-149.72	-1718.42	624.54	-134.38	-1.83
214	-31.96	-184.66	-1694.37	769.58	-131.35	-1.83
215	-64.65	-219.28	-1948.19	908.9	-170.03	-1.83
216	-31.13	-256.6	-2252.14	1064.86	-130.52	-1.83
217	-44.68	-299.07	-2293.32	1234.83	-145.56	-1.83
218	77.36	-380.65	-1518.51	1581.92	9.93	-2.66
219	-204.93	-120.69	-1630.74	502.07	-582.6	-2.66
220	-93.69	-113.1	-2336.31	470.48	-374.41	-1.83
221	-101.2	-127.99	-2299.91	532.69	-386.1	-1.83
222	-100.4	-149.25	-2310.16	626.43	-384.71	-1.83
223	-100.27	-185.44	-2316.39	773.51	-384.65	-1.83
224	-101.31	-217.43	-2327.98	910.18	-385.79	-1.83
225	-98.48	-257.67	-2323.19	1070.1	-382.87	-1.83
226	-111.87	-296.01	-2341.06	1235.58	-395.94	-1.83
227	15.02	-375.88	-1578.88	1579.78	-267.11	-2.66
228	-199.63	-167.92	-1269.26	538.11	-750.66	-2.66
229	-163.97	-168.28	-1838.46	495.64	-626.08	-1.83
230	-164.94	-189.61	-1457.64	560.62	-628.65	-1.83
231	-165.53	-218.63	-1874.73	656.2	-627.89	-1.83
232	-164.07	-267.37	-1460.52	806.66	-627.87	-1.83
233	-166.38	-310.61	-1875.33	945.33	-628.9	-1.83

234	-163.73	-362.78	-1468.57	1106.74	-627.21	-1.83
235	-167.81	-415	-1934.68	1275.77	-630.65	-1.83
236	-125.03	-494.36	-1150.89	1656.73	-643.39	-2.66
301	68.21	272.49	-1137.75	-958.06	396.03	-3.87
302	110.79	-264.82	-1950.94	917.12	418.67	-2.66
303	107.22	-226.86	-1396.13	791.32	402.86	-2.66
304	109.93	-230.75	-1738.14	809.67	418.1	-2.66
305	24.75	-212.6	-2087.57	950.7	301.83	-2.66
306	12.88	-63.91	-1053.84	722.44	175.72	-2.76
307	250.44	-302.69	-1675.39	1378.29	592.01	-2.66
308	-79.22	222.95	-1618.81	-920.68	-21.15	-3.87
309	42.17	-219.57	-2347.77	912.69	134.77	-2.66
310	31.31	-188.3	-2260.03	788.51	122.41	-2.66
311	31.23	-193.83	-2254.59	807.32	122.82	-2.66
312	27.42	-215.64	-2558.5	936.07	117.38	-2.66
313	34.24	-300.5	-2796.56	1190.16	125.17	-2.66
314	108.03	-334.83	-1881.49	1383.81	215.2	-2.66
315	-107.36	218.64	-1579.31	-916.88	-145.51	-3.87
316	11.89	-219.21	-2367.18	915.52	22.17	-2.66
317	2.55	-190.83	-2314.29	794.52	11.07	-2.66
318	2.41	-193.54	-2262.88	809.5	10.86	-2.66
319	-2.87	-229.6	-2501.29	950.8	4.55	-2.66
320	3.75	-274.62	-2732.21	1144.1	12.46	-2.66
321	78.49	-337.74	-1792.71	1383.68	100.85	-2.66
322	-255	269.64	-1330.08	-935.54	-948.08	-3.87
323	-194.24	-310.22	-1818.77	949.09	-791.49	-2.66
324	-225.31	-271.53	-1463.95	825.38	-805.25	-2.66
325	-193.1	-270.62	-1885.84	838.28	-791.73	-2.66
326	-235.11	-190.17	-1831.49	933.33	-816.61	-2.66
327	-214.04	-231.53	-2020.75	1141.52	-799.02	-2.66
328	-169.71	-290.49	-1507.84	1379.48	-756.81	-2.66

Combinazione SLVq1.5_Y++-

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	236.46	352.88	-1471.5	-1620.65	1029.2	-3.4
102	287.89	274.67	-2013.81	-1301.75	1075.63	-3.4
103	310.34	206.83	-1823.69	-1006.55	1093.93	-3.4
104	285.69	268.08	-2141.89	-899	1171.73	-3.74
105	300.9	214.27	-1492.85	-699.3	1082.48	-3.4
106	286.79	240.99	-1943.92	-787.04	1171.65	-3.74
107	328.01	-333.55	-1365.19	1237.88	1254.84	-4.95
108	76.17	392.32	-1769.84	-1626.6	523.22	-3.4
109	160.34	310.41	-2694.43	-1307.96	611.64	-3.4
110	181.19	268.54	-2726.28	-1129.77	679.31	-3.74
111	175.04	211.62	-2535.59	-875.37	673.55	-3.74
112	176.18	182.45	-2539.91	-746.12	674.21	-3.74
113	169.04	186.66	-2508.6	-764.42	662.04	-3.74
114	260.44	-295	-1704.55	1225.6	832.44	-4.95
115	-42.15	394.04	-1857.63	-1626.03	46.53	-3.4
116	34.04	309.63	-2763.17	-1304.4	133.54	-3.4
117	43	253.84	-2819.54	-1110.74	153.93	-3.74
118	39.83	206.3	-2413.76	-871.71	148.83	-3.74
119	38.78	174.34	-2407.28	-739.16	148.45	-3.74
120	29.22	181.84	-2439.7	-761.47	135.63	-3.74
121	142.29	-291.99	-1592.11	1224.81	305.2	-4.95
122	-118.29	326.1	-1290.84	-1601.82	-366.28	-3.4
123	-89.73	250.05	-1771.7	-1284.65	-328.93	-3.4
124	-79.93	206.48	-1629.81	-1012.46	-314.79	-3.4
125	-84.92	243.94	-1855.93	-799.73	-329.44	-3.4
126	-86.97	208.06	-1434.71	-676.13	-324.85	-3.4
127	-86.04	216.45	-1907.14	-695.77	-330.27	-3.4
128	-49.2	-383.96	-1153.57	1286.57	-308.76	-4.95

201	-62.45	154.9	-1182.58	-529.43	-171.44	2.67
202	-19.97	152.85	-1631.48	-489	-99.74	1.84
203	-27.8	172.21	-1166.99	-553.37	-109.08	1.84
204	-29.63	200.57	-1277.8	-650.74	-111.11	1.84
205	-34.23	244.71	-1177.76	-799.54	-116.74	1.84
206	-38.58	285.19	-1625.16	-938.61	-121.68	1.84
207	-33	334.42	-1490.42	-1100.55	-115.22	1.84
208	-33.31	382.16	-1997.09	-1268.7	-115.49	1.84
209	8.61	458.28	-1284.95	-1639.18	-69.76	2.67
210	-80.94	122.68	-1570.15	-502.73	-15.32	2.67
211	74.19	118.55	-2059.66	-474.82	180.14	1.84
212	30.64	135.03	-1736.75	-539.07	129.57	1.84
213	34.68	157.16	-1764.39	-634.06	134.22	1.84
214	37.24	193.26	-1752	-780.87	137.25	1.84
215	4.53	224.52	-2012.85	-916.62	98.58	1.84
216	37.76	262.92	-2329.85	-1074.25	138	1.84
217	26.42	301.27	-2365.72	-1239.76	123.61	1.84
218	142.92	382.38	-1628.73	-1587.24	305.74	2.67
219	-15.67	120.01	-1517.86	-500.6	266.26	2.67
220	112.59	114.01	-2317.74	-471.47	396.92	1.84
221	98.91	128.13	-2240.63	-533.18	383.54	1.84
222	100.69	152.39	-2253.69	-630.86	385.2	1.84
223	100.59	186	-2237.89	-775.29	385.19	1.84
224	99.76	218.89	-2239.35	-913.42	384.11	1.84
225	101.65	253.23	-2232.2	-1066.78	386.77	1.84
226	94.36	294.85	-2197.99	-1236.55	375.37	1.84
227	204.11	376.35	-1567.15	-1583.3	581.66	2.67
228	124.91	143.56	-1098.55	-502.66	644.13	2.67
229	168.08	143.63	-1926.07	-466.41	631.6	1.84
230	164	162.35	-1439.36	-528.71	628.18	1.84
231	166.61	195.2	-1849.68	-629.21	629.82	1.84
232	164.32	241.36	-1430.69	-777.03	628.81	1.84
233	165.75	287.77	-1848.28	-919.85	628.8	1.84

234	165.22	337.77	-1423.99	-1079.09	629.63	1.84
235	164.19	393.56	-1824.03	-1252.75	627.03	1.84
236	200.07	471.52	-1216.77	-1626.81	751.72	2.67
301	-158.31	-251.77	-1275.69	935.33	-537.93	4.13
302	-96.94	285.88	-1833.06	-946	-414.4	2.85
303	-125.91	254.71	-1495.52	-838.92	-437.08	2.85
304	-96.82	258.74	-1859.25	-868.11	-414.7	2.85
305	-216.14	195.25	-2361.06	-966.21	-540.26	2.85
306	-16.71	71.04	-1041.96	-816.75	-224.28	3.05
307	60.9	304.5	-1976.87	-1437.82	-235.97	2.85
308	-140.08	-224.77	-1651.03	930.29	-292.2	4.13
309	-23.25	224.25	-2315.18	-922.2	-111.15	2.85
310	-33.05	199.59	-2297.2	-816.52	-123.22	2.85
311	-32.02	204.43	-2316.54	-845.2	-122.51	2.85
312	-37.86	233.01	-2523.69	-992.65	-128.48	2.85
313	-31.65	226.6	-2875.86	-1149.48	-120.86	2.85
314	48.27	344.57	-1841.16	-1452.73	-29.14	2.85
315	-108.09	-223.7	-1571.67	931.13	-148.41	4.13
316	11.13	217.52	-2296.59	-917.5	19.64	2.85
317	1.65	190.44	-2232.7	-808.73	8.49	2.85
318	1.42	199.14	-2185.63	-841.47	8.26	2.85
319	-4.03	223.03	-2576.45	-979.07	1.9	2.85
320	2.79	286.86	-2786.02	-1205.29	9.87	2.85
321	77.5	349.63	-1941.2	-1455.13	98.21	2.85
322	187.54	-296.47	-1040.51	981.03	880.39	4.13
323	211.49	287.77	-1945.25	-926.52	839.84	2.85
324	230.83	251.12	-1432.66	-815.91	839.73	2.85
325	209.14	259.81	-1849.89	-850.85	838.65	2.85
326	221.51	197.11	-1663.84	-977.56	828.48	2.85
327	226.51	222.12	-1789.26	-1177.12	841.72	2.85
328	248.44	281.87	-1347.07	-1426.68	877.87	2.85

Combinazione SLVq1.5_Y+--

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	59.01	366.02	-1544.39	-1683.66	326.73	-3.5
102	99.82	285.48	-2018.11	-1354.32	370.18	-3.5
103	115.89	215.74	-1858.3	-1048.83	386.69	-3.5
104	97.75	278.55	-2136.24	-935.01	401.06	-3.85
105	104.99	220.79	-1494.08	-721.56	374.83	-3.5
106	97.74	244.83	-1999.03	-800.4	400.67	-3.85
107	138.68	-331.64	-1220.7	1231.65	469.16	-5.09
108	-95.48	407.5	-1837.5	-1690.18	-185.36	-3.5
109	-25.85	322.9	-2680.22	-1361	-101.02	-3.5
110	-20.26	253.98	-2490.13	-1069.61	-94.77	-3.5
111	-28.41	220.15	-2550.58	-910.83	-110	-3.85
112	-27.09	188.24	-2519.33	-770.23	-109.3	-3.85
113	-39.62	189.78	-2544.76	-777.57	-122.97	-3.85
114	85.5	-293.44	-1621.01	1219.56	47.14	-5.09
115	-216.2	409.61	-1934.01	-1689.72	-670.61	-3.5
116	-154.74	322.29	-2750.82	-1357.49	-587.74	-3.5
117	-163.42	264.6	-2810.56	-1157.52	-639.13	-3.85
118	-166	214.7	-2402.18	-907.13	-644.06	-3.85
119	-166.9	180.05	-2390.78	-763.24	-644.4	-3.85
120	-181.97	185.02	-2473.53	-774.64	-658.76	-3.85
121	-34.71	-290.69	-1507.6	1218.93	-489.46	-5.09
122	-303.34	339.51	-1361.37	-1664.9	-1094.52	-3.5
123	-284.78	260.26	-1767.33	-1337.06	-1059.98	-3.5
124	-281.94	214.16	-1649.08	-1054.39	-1047.8	-3.5
125	-289.41	279.63	-2037.19	-915.94	-1161.33	-3.85
126	-288.85	215.16	-1431.86	-698.55	-1057.83	-3.5
127	-265.77	220.36	-1957.04	-708.03	-1057.02	-3.5
128	-244.54	-382.2	-1008.89	1280.42	-1122.41	-5.09

201	-218.68	188.11	-1277.73	-650.41	-847.52	2.34
202	-180.33	177.38	-1597.04	-571.67	-709.92	1.61
203	-186.8	189.83	-1164.09	-612.6	-718.9	1.61
204	-190.09	212.05	-1280.89	-689.25	-721.33	1.61
205	-192.91	236.48	-1176.09	-771.95	-726.47	1.61
206	-199.04	274.35	-1622.03	-901.99	-731.89	1.61
207	-191.98	317.61	-1488.37	-1043.77	-725.03	1.61
208	-193.67	358.51	-2030.61	-1188.66	-725.68	1.61
209	-147.62	426.04	-1189.06	-1521.3	-745.84	2.34
210	-237.12	151.14	-1645.22	-621.03	-716.26	2.34
211	-96.1	138.32	-2035.03	-556.25	-456.82	1.61
212	-134.5	149.23	-1742.05	-597.41	-505.98	1.61
213	-131.22	166.4	-1763.06	-672.01	-501.54	1.61
214	-128.53	186.63	-1750.72	-753.69	-498.47	1.61
215	-161.38	215.79	-2010.05	-880.56	-537.18	1.61
216	-127.35	249.38	-2322.87	-1018.35	-497.54	1.61
217	-143.91	282.2	-2389.95	-1160.95	-513.36	1.61
218	-13.25	354.72	-1553.48	-1471.99	-395.2	2.34
219	-178.33	148.18	-1591.52	-618.73	-463.79	2.34
220	-64.82	133.38	-2287.64	-552.79	-266.51	1.61
221	-73.07	142.04	-2245.95	-591.46	-278.4	1.61
222	-72.14	161.47	-2248.49	-668.77	-276.97	1.61
223	-72.07	179.48	-2240.42	-748.14	-276.93	1.61
224	-73.07	210.3	-2244.52	-877.4	-278.06	1.61
225	-70.34	239.96	-2227.29	-1010.95	-275.17	1.61
226	-83.05	276.16	-2228.37	-1157.83	-288.04	1.61
227	41.45	348.96	-1493.85	-1468.2	-148.39	2.34
228	-51.84	179.51	-1195.67	-625.2	-119.82	2.34
229	-13.52	170.19	-1882.5	-549.61	-57.88	1.61
230	-15.61	181.45	-1436.17	-588.32	-60.76	1.61
231	-15.02	207.66	-1851.42	-667.97	-59.67	1.61
232	-14.99	232.43	-1431.22	-749.27	-60.04	1.61
233	-15.88	275.99	-1846.55	-882.98	-60.69	1.61

234	-14.38	319.57	-1427.29	-1021.94	-59.31	1.61
235	-17.41	367.96	-1867.72	-1172.18	-62.46	1.61
236	23.31	436.59	-1119.95	-1507.4	-12.24	2.34
301	-323.96	-264.86	-1398.85	982.55	-1228.02	3.22
302	-248.61	263.94	-1785.8	-871.1	-1030.61	2.22
303	-297.2	214.38	-1487.64	-701.28	-1058.82	2.22
304	-247.7	199.5	-1845.74	-664	-1030.68	2.22
305	-384.5	138.92	-2281.13	-700.83	-1161.18	2.22
306	-43.85	53.11	-1029.52	-600.56	-521.59	2.36
307	-89.75	218.4	-1922.09	-1038.86	-851.88	2.22
308	-301.72	-235.93	-1727.51	976.41	-1018.29	3.22
309	-198.57	206.57	-2285.08	-848.49	-771.09	2.22
310	-203.78	167.07	-2311.59	-681.09	-781.87	2.22
311	-202.96	156.13	-2302.89	-644.18	-781.21	2.22
312	-209.05	171.14	-2511.75	-725.7	-787.26	2.22
313	-204.46	150.74	-2891.95	-816.09	-780.09	2.22
314	-110.6	248.32	-1781.6	-1050.89	-684.44	2.22
315	-281.58	-234.53	-1655.5	977.05	-927.48	3.22
316	-176.97	200.04	-2268.9	-843.85	-688.4	2.22
317	-181.62	158.45	-2249.12	-673.45	-698.19	2.22
318	-181.8	151.51	-2198.3	-640.64	-698.4	2.22
319	-188.28	160.7	-2565.25	-711.99	-705.06	2.22
320	-182.48	206.79	-2800.53	-870.7	-697.38	2.22
321	-93.49	252.11	-1862.48	-1052.93	-605	2.22
322	-16.06	-310.36	-1190.55	1028.71	31.45	3.22
323	23.7	263.85	-1894.25	-851.06	81.35	2.22
324	20.58	207.33	-1437.42	-677.3	74.9	2.22
325	22.95	195.68	-1855.5	-645.35	80.61	2.22
326	10.64	144.69	-1643.5	-713.29	63.48	2.22
327	22.86	157.16	-1820.37	-846.82	78.75	2.22
328	55.15	200.13	-1291.35	-1028.95	117.82	2.22

Combinazione SLVq1.5_Y-+-

ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	-87.8	-272.24	-1314.64	1308.95	-240.38	2.54
102	-54.93	-217.85	-1797.42	1085.25	-199.01	2.54
103	-43.15	-191.28	-1645.13	906.7	-183.63	2.54
104	-58.88	-244.25	-2003.79	858.83	-221.5	2.79
105	-52.82	-215.52	-1403.64	753.48	-195.11	2.54
106	-59.55	-276.43	-2137	957.19	-222.06	2.79
107	-15.22	272.16	-1173.57	-958.53	-164.92	3.69
108	-39.31	-317.93	-1844.45	1327.18	54.6	2.54
109	35.87	-258.13	-2732.88	1100.69	140.54	2.54
110	40.71	-204.3	-2534.05	900.72	146.58	2.54
111	37.46	-186.98	-2253.26	778.33	141.99	2.54
112	40.82	-198.23	-2485.79	827.4	156.43	2.79
113	31.15	-230.38	-2577.43	953.93	143.56	2.79
114	144.06	223.41	-1654	-921.84	313.15	3.69
115	47.49	-322.03	-1771.5	1329.4	406.87	2.54
116	130.43	-264.6	-2689.64	1105.86	495.7	2.54
117	148.76	-242.82	-2734.61	1010.8	552.23	2.79
118	142.82	-205.19	-2489.06	858.22	546.37	2.79
119	143.32	-200.29	-2479.05	832.76	546.42	2.79
120	135.56	-228.69	-2528.52	955.2	534.08	2.79
121	231.99	219.45	-1638.49	-918.71	704.47	3.69
122	179.32	-272.36	-1485.55	1320.15	792.04	2.54
123	223.31	-216.63	-2005.99	1094.91	833.57	2.54
124	244.24	-177.17	-1833.79	896.52	850.74	2.54
125	221.83	-287.08	-2075.64	890.07	908.48	2.79
126	234.54	-258.33	-1461.71	786.4	839.9	2.54
127	223.18	-323.65	-1997.71	990.32	908.26	2.79
128	263.93	269.85	-1337.31	-936.82	986.13	3.69

201	123.34	-244.81	-1061.74	911.69	620.34	-1.48
202	169.62	-214.78	-1527.42	744.23	613.04	-1.02
203	160.85	-207.03	-1090.18	718.02	603.46	-1.02
204	160.13	-210.86	-1176.61	729.83	601.71	-1.02
205	154.05	-215.83	-1083.96	746.41	595.7	-1.02
206	151.22	-236.55	-1495.49	813.06	591.15	-1.02
207	155.66	-256.96	-1365.57	884.7	597.32	-1.02
208	156.33	-283.09	-1784.89	968.89	597.3	-1.02
209	193.77	-324.89	-1186.78	1193.92	721.67	-1.48
210	0.23	-217.64	-1524.95	905.47	345.87	-1.48
211	162.96	-177.81	-2015.39	740.59	507.78	-1.02
212	116.63	-170.29	-1693.02	713.69	456.52	-1.02
213	121.1	-174.04	-1717.76	726.17	461.28	-1.02
214	123.55	-178.03	-1695.65	742.39	464.28	-1.02
215	90.96	-195.47	-1952.98	809.16	425.64	-1.02
216	123.74	-212.91	-2262.88	881.6	464.95	-1.02
217	115.15	-234.79	-2276.31	964.99	451.25	-1.02
218	223.8	-285.63	-1594.63	1181.48	666.77	-1.48
219	-32.54	-215.31	-1560.35	904.84	191.48	-1.48
220	94.21	-176.98	-2375.61	742.6	329.11	-1.02
221	81.02	-171.58	-2299.69	718.16	315.86	-1.02
222	82.7	-173.18	-2318.01	727.94	317.49	-1.02
223	82.66	-178.92	-2313.86	746.35	317.5	-1.02
224	81.79	-194	-2320.16	810.55	316.41	-1.02
225	83.74	-214.71	-2323.01	887.07	319.09	-1.02
226	76.02	-232.81	-2301.47	966.07	307.58	-1.02
227	187.4	-282.03	-1648.91	1180.05	506.98	-1.48
228	7.58	-288.53	-1163.14	956.39	146.27	-1.48
229	48.82	-255.54	-1891.51	774.71	183.68	-1.02
230	45.38	-249.27	-1463.49	750.84	180.42	-1.02
231	47.3	-251.38	-1873.71	760.26	181.88	-1.02
232	45.9	-258.44	-1459.99	778.89	181.1	-1.02
233	46.44	-278.55	-1876.33	843.16	180.87	-1.02

234	46.59	-304.02	-1462.61	918.98	181.86	-1.02
235	44.98	-328.7	-1881.5	999.33	179.11	-1.02
236	82.18	-374.77	-1256.71	1241.57	253.54	-1.48
301	289.78	372.02	-997.22	-1327.61	1325.25	-4.43
302	316.26	-192.87	-2024.47	668.18	1249.78	-3.05
303	335.72	-168.66	-1408.05	591.77	1240.59	-3.05
304	314.5	-185.67	-1750.83	655.72	1248.96	-3.05
305	251.83	-190.93	-2161.17	843.97	1139.2	-3.05
306	47.76	-58.52	-1066.81	658.77	571.15	-3.07
307	453.3	-303.96	-1709.6	1358.6	1422.33	-3.05
308	101.07	308.71	-1539.22	-1281.9	789.28	-4.43
309	237.52	-161.42	-2385.78	667.93	871.47	-3.05
310	221.7	-141.38	-2247.06	592.26	857.7	-3.05
311	221.62	-157.27	-2267.58	655.72	858.1	-3.05
312	218.96	-191.1	-2573.72	828.61	853.02	-3.05
313	227.48	-288.19	-2772	1126.52	861.29	-3.05
314	285.83	-332.79	-1947.87	1363.38	946.92	-3.05
315	50.99	303.09	-1494.29	-1277.3	565.23	-4.43
316	183.77	-161.89	-2385.71	671.01	668.05	-3.05
317	169.87	-144.66	-2295.72	598.48	655.67	-3.05
318	169.88	-157.53	-2251.53	658.05	655.51	-3.05
319	164.96	-204.88	-2508.88	843.29	649.28	-3.05
320	172.64	-260.88	-2716.12	1080.14	657.5	-3.05
321	234.13	-335.03	-1864.66	1363.07	742.16	-3.05
322	-103.95	376.72	-1206.8	-1309.66	-322.34	-4.43
323	-56.3	-231.99	-1855	698.25	-233.27	-3.05
324	-68.73	-208.36	-1458.3	624.38	-241.88	-3.05
325	-56.49	-221.77	-1879.02	683.3	-233.88	-3.05
326	-79.33	-170.67	-1861.8	827.16	-253.51	-3.05
327	-64.04	-224.29	-2008.94	1079.15	-237.51	-3.05
328	-27.6	-293.38	-1570.64	1360.17	-197.46	-3.05

Combinazione SLVq1.5_Y-+-

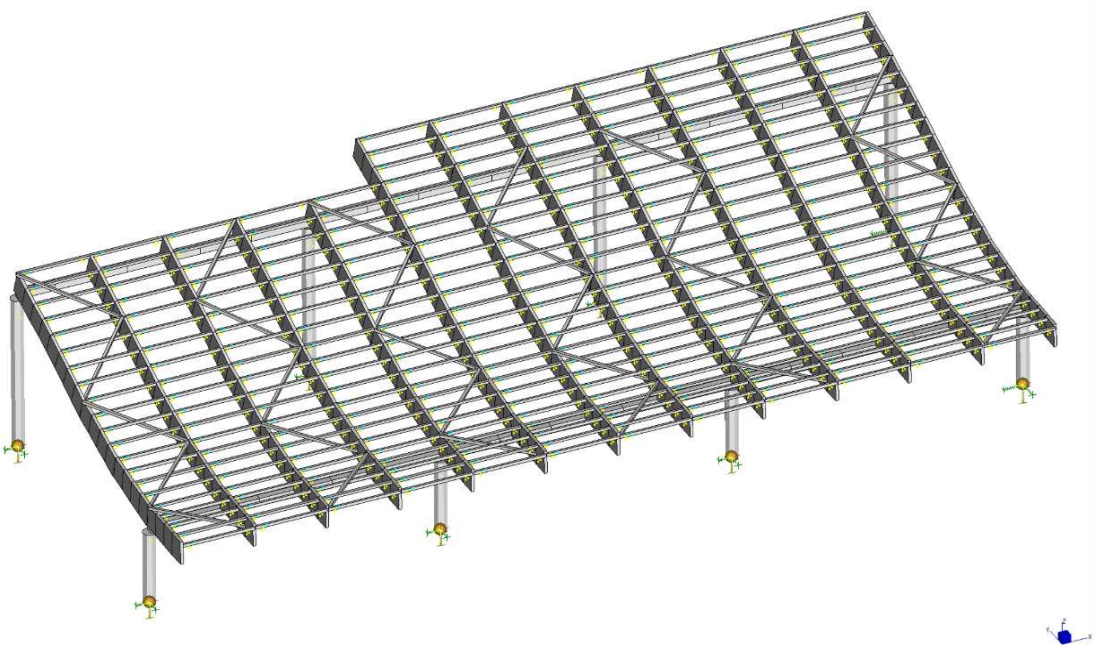
ID	FX (kN)	FY (kN)	FZ (kN)	MX (kN.m)	MY (kN.m)	MZ (kN.m)
101	-265.26	-259.1	-1387.53	1245.95	-942.84	2.44
102	-243	-207.04	-1801.71	1032.68	-904.46	2.44
103	-237.6	-182.37	-1679.74	864.42	-890.87	2.44
104	-246.82	-233.79	-1998.13	822.83	-992.17	2.69
105	-248.74	-209	-1404.87	731.22	-902.76	2.44
106	-248.6	-272.58	-2192.11	943.83	-993.04	2.69
107	-204.55	274.08	-1029.08	-964.77	-950.6	3.55
108	-210.96	-302.75	-1912.11	1263.6	-653.98	2.44
109	-150.32	-245.64	-2718.66	1047.64	-572.12	2.44
110	-144.27	-194.45	-2545.74	858.18	-565.75	2.44
111	-147.5	-179.23	-2266.9	746.09	-570.33	2.44
112	-147.68	-174.96	-2241.11	730.27	-570.07	2.44
113	-177.51	-227.27	-2613.59	940.77	-641.45	2.69
114	-33.97	247.47	-1727.51	-1020.66	-519.36	3.91
115	-126.57	-306.47	-1847.88	1265.71	-310.27	2.44
116	-58.35	-251.94	-2677.3	1052.77	-225.58	2.44
117	-57.66	-232.05	-2725.62	964.02	-240.83	2.69
118	-63	-196.79	-2477.47	822.79	-246.52	2.69
119	-62.36	-194.59	-2462.55	808.68	-246.43	2.69
120	-75.62	-225.51	-2562.35	942.03	-260.31	2.69
121	54.99	220.75	-1553.98	-924.59	-90.19	3.55
122	-5.73	-258.95	-1556.08	1257.07	63.79	2.44
123	28.27	-206.42	-2001.62	1042.51	102.52	2.44
124	42.23	-169.49	-1853.07	854.59	117.72	2.44
125	25.83	-275.78	-2071.31	853.83	109.53	2.69
126	32.66	-251.24	-1458.86	763.98	106.93	2.44
127	25.48	-319.36	-2052.59	976.84	108.84	2.69
128	68.59	271.6	-1192.63	-942.97	172.49	3.55

201	-32.89	-211.6	-1156.89	790.71	-55.73	-1.82
202	9.27	-190.25	-1492.98	661.57	2.86	-1.25
203	1.86	-189.4	-1087.28	658.79	-6.35	-1.25
204	-0.33	-199.38	-1179.7	691.31	-8.51	-1.25
205	-4.64	-224.06	-1082.29	774	-14.03	-1.25
206	-9.24	-247.4	-1492.36	849.68	-19.06	-1.25
207	-3.33	-273.76	-1363.53	941.48	-12.49	-1.25
208	-4.03	-306.75	-1818.41	1048.93	-12.89	-1.25
209	37.55	-357.14	-1090.89	1311.8	45.59	-1.82
210	-155.95	-189.17	-1600.02	787.18	-355.08	-1.82
211	-7.34	-158.03	-1990.76	659.16	-129.18	-1.25
212	-48.51	-156.1	-1698.33	655.35	-179.03	-1.25
213	-44.8	-164.8	-1716.43	688.22	-174.48	-1.25
214	-42.22	-184.66	-1694.37	769.58	-171.44	-1.25
215	-74.94	-204.2	-1950.18	845.22	-210.12	-1.25
216	-41.37	-226.44	-2255.9	937.5	-170.6	-1.25
217	-55.18	-253.86	-2300.54	1043.81	-185.72	-1.25
218	67.63	-313.29	-1519.39	1296.73	-34.17	-1.82
219	-195.21	-187.14	-1634	786.7	-538.57	-1.82
220	-83.2	-157.61	-2345.51	661.28	-334.31	-1.25
221	-90.97	-157.67	-2305	659.89	-346.08	-1.25
222	-90.13	-164.09	-2312.81	690.03	-344.67	-1.25
223	-90.01	-185.44	-2316.39	773.51	-344.62	-1.25
224	-91.03	-202.59	-2325.33	846.58	-345.76	-1.25
225	-88.24	-227.99	-2318.1	942.9	-342.85	-1.25
226	-101.38	-251.5	-2331.86	1044.78	-355.83	-1.25
227	24.74	-309.43	-1575.61	1295.15	-223.07	-1.82
228	-169.17	-252.57	-1260.26	833.85	-617.69	-1.82
229	-132.78	-228.98	-1847.94	691.51	-505.81	-1.25
230	-134.23	-230.17	-1460.3	691.23	-508.52	-1.25
231	-134.33	-238.92	-1875.45	721.5	-507.61	-1.25
232	-133.4	-267.37	-1460.52	806.66	-507.76	-1.25
233	-135.18	-290.32	-1874.6	880.03	-508.62	-1.25

234	-133.01	-322.22	-1465.91	976.13	-507.08	-1.25
235	-136.63	-354.3	-1925.19	1079.89	-510.37	-1.25
236	-94.58	-409.7	-1159.89	1360.98	-510.42	-1.82
301	124.13	358.93	-1120.38	-1280.39	635.16	-5.34
302	164.59	-214.81	-1977.21	743.08	633.58	-3.67
303	164.44	-209	-1400.17	729.4	618.84	-3.67
304	163.62	-244.91	-1737.32	859.84	632.97	-3.67
305	83.47	-247.25	-2081.24	1109.34	518.28	-3.67
306	20.61	-76.45	-1054.37	874.96	273.84	-3.76
307	302.66	-390.06	-1654.82	1757.56	806.42	-3.67
308	-60.56	297.55	-1615.7	-1235.78	63.19	-5.34
309	62.19	-179.1	-2355.68	741.63	211.53	-3.67
310	50.96	-173.9	-2261.45	727.68	199.05	-3.67
311	50.68	-205.56	-2253.92	856.73	199.39	-3.67
312	47.77	-252.97	-2561.77	1095.56	194.24	-3.67
313	54.66	-364.05	-2788.09	1459.91	202.06	-3.67
314	126.95	-429.05	-1888.31	1765.23	291.62	-3.67
315	-122.5	292.27	-1578.13	-1231.37	-213.83	-5.34
316	-4.32	-179.37	-2358.02	744.66	-39.99	-3.67
317	-13.4	-176.65	-2312.14	733.76	-51.01	-3.67
318	-13.34	-205.15	-2264.21	858.87	-51.16	-3.67
319	-19.29	-267.2	-2497.68	1110.37	-57.68	-3.67
320	-12.63	-340.95	-2730.63	1414.72	-49.75	-3.67
321	63.14	-432.54	-1785.94	1765.27	38.95	-3.67
322	-307.55	362.83	-1356.84	-1261.99	-1171.28	-5.34
323	-244.09	-255.91	-1804	773.7	-991.76	-3.67
324	-278.98	-252.14	-1463.06	762.99	-1006.71	-3.67
325	-242.68	-285.9	-1884.63	888.8	-991.92	-3.67
326	-290.2	-223.09	-1841.46	1091.43	-1018.52	-3.67
327	-267.69	-289.25	-2040.06	1409.45	-1000.48	-3.67
328	-220.9	-375.12	-1514.92	1757.9	-957.5	-3.67

2. TERMINAL

CORPO AS1



Indice dei nodi di definizione

	X (m)	Y (m)	Z (m)
Node 1	0.00	0.00	-0.50
Node 2	20.00	0.00	-0.50
Node 3	0.00	20.00	-0.50
Node 4	20.00	20.00	-0.50
Node 5	5.00	20.00	12.15
Node 6	10.00	20.00	12.15
Node 7	15.00	20.00	12.15
Node 8	0.00	20.00	12.15
Node 9	20.00	20.00	12.15
Node 10	5.00	1.25	6.32
Node 11	5.00	0.00	6.15
Node 12	10.00	1.25	6.32
Node 13	10.00	0.00	6.15
Node 14	15.00	1.25	6.32
Node 15	15.00	0.00	6.15
Node 16	0.00	1.25	6.32
Node 17	0.00	0.00	6.15
Node 18	20.00	1.25	6.32
Node 19	20.00	0.00	6.15
Node 20	5.00	-1.25	6.18
Node 21	10.00	-1.25	6.18
Node 22	15.00	-1.25	6.18
Node 23	0.00	-1.25	6.18
Node 24	20.00	-1.25	6.18
Node 25	5.00	11.25	8.86
Node 26	5.00	10.00	8.34
Node 27	10.00	11.25	8.86
Node 28	10.00	10.00	8.34
Node 29	15.00	11.25	8.86
Node 30	15.00	10.00	8.34
Node 31	0.00	11.25	8.86
Node 32	0.00	10.00	8.34
Node 33	20.00	11.25	8.86
Node 34	20.00	10.00	8.34
Node 35	5.00	6.25	7.22
Node 36	5.00	5.00	6.84
Node 37	10.00	6.25	7.22
Node 38	10.00	5.00	6.84
Node 39	15.00	6.25	7.22
Node 40	15.00	5.00	6.84
Node 41	0.00	6.25	7.22
Node 42	0.00	5.00	6.84
Node 43	20.00	6.25	7.22
Node 44	20.00	5.00	6.84

	X (m)	Y (m)	Z (m)
Node 515	25.00	8.75	7.96
Node 516	45.00	8.75	7.96
Node 517	25.00	7.50	7.59
Node 518	45.00	7.50	7.59
Node 519	30.00	8.75	7.96
Node 520	50.00	8.75	7.96
Node 521	30.00	7.50	7.59
Node 522	50.00	7.50	7.59
Node 523	35.00	8.75	7.96
Node 524	55.00	8.75	7.96
Node 525	35.00	7.50	7.59
Node 526	55.00	7.50	7.59
Node 527	40.00	8.75	7.96
Node 528	60.00	8.75	7.96
Node 529	40.00	7.50	7.59
Node 530	60.00	7.50	7.59
Node 531	25.00	18.75	11.72
Node 532	45.00	18.75	11.72
Node 533	25.00	17.50	11.29
Node 534	45.00	17.50	11.29
Node 535	30.00	18.75	11.72
Node 536	50.00	18.75	11.72
Node 537	30.00	17.50	11.29
Node 538	50.00	17.50	11.29
Node 539	35.00	18.75	11.72
Node 540	55.00	18.75	11.72
Node 541	35.00	17.50	11.29
Node 542	55.00	17.50	11.29
Node 543	40.00	18.75	11.72
Node 544	60.00	18.75	11.72
Node 545	40.00	17.50	11.29
Node 546	60.00	17.50	11.29
Node 547	40.00	-5.00	6.80
Node 548	25.00	-5.00	6.80
Node 549	45.00	-5.00	6.80
Node 550	30.00	-5.00	6.80
Node 551	50.00	-5.00	6.80
Node 552	35.00	-5.00	6.80
Node 553	55.00	-5.00	6.80
Node 554	60.00	-5.00	6.80
Node 555	40.00	10.00	8.89
Node 556	25.00	10.00	8.89
Node 557	45.00	10.00	8.89
Node 558	30.00	10.00	8.89

Node 45	5.00	16.25	10.86
Node 46	5.00	15.00	10.43
Node 47	10.00	16.25	10.86
Node 48	10.00	15.00	10.43
Node 49	15.00	16.25	10.86
Node 50	15.00	15.00	10.43
Node 51	0.00	16.25	10.86
Node 52	0.00	15.00	10.43
Node 53	20.00	16.25	10.86
Node 54	20.00	15.00	10.43
Node 55	5.00	3.75	6.67
Node 56	5.00	2.50	6.50
Node 57	10.00	3.75	6.67
Node 58	10.00	2.50	6.50
Node 59	15.00	3.75	6.67
Node 60	15.00	2.50	6.50
Node 61	0.00	3.75	6.67
Node 62	20.00	3.75	6.67
Node 63	0.00	2.50	6.50
Node 64	20.00	2.50	6.50
Node 65	5.00	-5.00	6.25
Node 66	5.00	-3.75	6.23
Node 67	5.00	-2.50	6.20
Node 68	10.00	-5.00	6.25
Node 69	10.00	-3.75	6.23
Node 70	10.00	-2.50	6.20
Node 71	15.00	-5.00	6.25
Node 72	15.00	-3.75	6.23
Node 73	15.00	-2.50	6.20
Node 74	0.00	-5.00	6.25
Node 75	0.00	-3.75	6.23
Node 76	20.00	-5.00	6.25
Node 77	20.00	-3.75	6.23
Node 78	0.00	-2.50	6.20
Node 79	20.00	-2.50	6.20
Node 80	5.00	13.75	9.90
Node 81	5.00	12.50	9.38
Node 82	10.00	13.75	9.90
Node 83	10.00	12.50	9.38
Node 84	15.00	13.75	9.90
Node 85	15.00	12.50	9.38
Node 86	0.00	13.75	9.90
Node 87	20.00	13.75	9.90
Node 88	0.00	12.50	9.38
Node 89	20.00	12.50	9.38
Node 90	5.00	8.75	7.96
Node 91	5.00	7.50	7.59
Node 92	10.00	8.75	7.96
Node 93	10.00	7.50	7.59
Node 94	15.00	8.75	7.96

Node 559	50.00	10.00	8.89
Node 560	35.00	10.00	8.89
Node 561	55.00	10.00	8.89
Node 562	60.00	10.00	8.89
Node 563	40.00	5.00	7.39
Node 564	25.00	5.00	7.39
Node 565	45.00	5.00	7.39
Node 566	30.00	5.00	7.39
Node 567	50.00	5.00	7.39
Node 568	35.00	5.00	7.39
Node 569	55.00	5.00	7.39
Node 570	60.00	5.00	7.39
Node 571	40.00	15.00	10.98
Node 572	25.00	15.00	10.98
Node 573	45.00	15.00	10.98
Node 574	30.00	15.00	10.98
Node 575	50.00	15.00	10.98
Node 576	35.00	15.00	10.98
Node 577	55.00	15.00	10.98
Node 578	60.00	15.00	10.98
Node 579	40.00	3.75	7.22
Node 580	25.00	3.75	7.22
Node 581	45.00	3.75	7.22
Node 582	30.00	3.75	7.22
Node 583	50.00	3.75	7.22
Node 584	35.00	3.75	7.22
Node 585	55.00	3.75	7.22
Node 586	60.00	3.75	7.22
Node 587	40.00	2.50	7.05
Node 588	25.00	2.50	7.05
Node 589	45.00	2.50	7.05
Node 590	30.00	2.50	7.05
Node 591	50.00	2.50	7.05
Node 592	35.00	2.50	7.05
Node 593	55.00	2.50	7.05
Node 594	60.00	2.50	7.05
Node 595	40.00	1.25	6.87
Node 596	25.00	1.25	6.87
Node 597	45.00	1.25	6.87
Node 598	30.00	1.25	6.87
Node 599	50.00	1.25	6.87
Node 600	35.00	1.25	6.87
Node 601	55.00	1.25	6.87
Node 602	60.00	1.25	6.87
Node 603	40.00	-3.75	6.78
Node 604	25.00	-3.75	6.78
Node 605	45.00	-3.75	6.78
Node 606	30.00	-3.75	6.78
Node 607	50.00	-3.75	6.78
Node 608	35.00	-3.75	6.78

Node 95	15.00	7.50	7.59
Node 96	0.00	8.75	7.96
Node 97	20.00	8.75	7.96
Node 98	0.00	7.50	7.59
Node 99	20.00	7.50	7.59
Node 100	5.00	18.75	11.72
Node 101	5.00	17.50	11.29
Node 102	10.00	18.75	11.72
Node 103	10.00	17.50	11.29
Node 104	15.00	18.75	11.72
Node 105	15.00	17.50	11.29
Node 106	0.00	18.75	11.72
Node 107	20.00	18.75	11.72
Node 108	0.00	17.50	11.29
Node 109	20.00	17.50	11.29
Node 110	0.00	-5.00	6.80
Node 111	5.00	-5.00	6.80
Node 112	20.00	-5.00	6.80
Node 113	10.00	-5.00	6.80
Node 114	15.00	-5.00	6.80
Node 115	0.00	10.00	8.89
Node 116	5.00	10.00	8.89
Node 117	20.00	10.00	8.89
Node 118	10.00	10.00	8.89
Node 119	15.00	10.00	8.89
Node 120	0.00	5.00	7.39
Node 121	5.00	5.00	7.39
Node 122	20.00	5.00	7.39
Node 123	10.00	5.00	7.39
Node 124	15.00	5.00	7.39
Node 125	0.00	15.00	10.98
Node 126	5.00	15.00	10.98
Node 127	20.00	15.00	10.98
Node 128	10.00	15.00	10.98
Node 129	15.00	15.00	10.98
Node 130	0.00	3.75	7.22
Node 131	5.00	3.75	7.22
Node 132	20.00	3.75	7.22
Node 133	10.00	3.75	7.22
Node 134	15.00	3.75	7.22
Node 135	0.00	2.50	7.05
Node 136	5.00	2.50	7.05
Node 137	20.00	2.50	7.05
Node 138	10.00	2.50	7.05
Node 139	15.00	2.50	7.05
Node 140	0.00	1.25	6.87
Node 141	5.00	1.25	6.87
Node 142	20.00	1.25	6.87
Node 143	10.00	1.25	6.87
Node 144	15.00	1.25	6.87

Node 609	55.00	-3.75	6.78
Node 610	60.00	-3.75	6.78
Node 611	40.00	-2.50	6.75
Node 612	25.00	-2.50	6.75
Node 613	45.00	-2.50	6.75
Node 614	30.00	-2.50	6.75
Node 615	50.00	-2.50	6.75
Node 616	35.00	-2.50	6.75
Node 617	55.00	-2.50	6.75
Node 618	60.00	-2.50	6.75
Node 619	40.00	-1.25	6.73
Node 620	25.00	-1.25	6.73
Node 621	45.00	-1.25	6.73
Node 622	30.00	-1.25	6.73
Node 623	50.00	-1.25	6.73
Node 624	35.00	-1.25	6.73
Node 625	55.00	-1.25	6.73
Node 626	60.00	-1.25	6.73
Node 627	40.00	13.75	10.45
Node 628	25.00	13.75	10.45
Node 629	45.00	13.75	10.45
Node 630	30.00	13.75	10.45
Node 631	50.00	13.75	10.45
Node 632	35.00	13.75	10.45
Node 633	55.00	13.75	10.45
Node 634	60.00	13.75	10.45
Node 635	40.00	12.50	9.93
Node 636	25.00	12.50	9.93
Node 637	45.00	12.50	9.93
Node 638	30.00	12.50	9.93
Node 639	50.00	12.50	9.93
Node 640	35.00	12.50	9.93
Node 641	55.00	12.50	9.93
Node 642	60.00	12.50	9.93
Node 643	40.00	11.25	9.41
Node 644	25.00	11.25	9.41
Node 645	45.00	11.25	9.41
Node 646	30.00	11.25	9.41
Node 647	50.00	11.25	9.41
Node 648	35.00	11.25	9.41
Node 649	55.00	11.25	9.41
Node 650	60.00	11.25	9.41
Node 651	40.00	8.75	8.51
Node 652	25.00	8.75	8.51
Node 653	45.00	8.75	8.51
Node 654	30.00	8.75	8.51
Node 655	50.00	8.75	8.51
Node 656	35.00	8.75	8.51
Node 657	55.00	8.75	8.51
Node 658	60.00	8.75	8.51

Node 145	0.00	-3.75	6.78
Node 146	5.00	-3.75	6.78
Node 147	20.00	-3.75	6.78
Node 148	10.00	-3.75	6.78
Node 149	15.00	-3.75	6.78
Node 150	0.00	-2.50	6.75
Node 151	5.00	-2.50	6.75
Node 152	20.00	-2.50	6.75
Node 153	10.00	-2.50	6.75
Node 154	15.00	-2.50	6.75
Node 155	0.00	-1.25	6.73
Node 156	5.00	-1.25	6.73
Node 157	20.00	-1.25	6.73
Node 158	10.00	-1.25	6.73
Node 159	15.00	-1.25	6.73
Node 160	0.00	13.75	10.45
Node 161	5.00	13.75	10.45
Node 162	20.00	13.75	10.45
Node 163	10.00	13.75	10.45
Node 164	15.00	13.75	10.45
Node 165	0.00	12.50	9.93
Node 166	5.00	12.50	9.93
Node 167	20.00	12.50	9.93
Node 168	10.00	12.50	9.93
Node 169	15.00	12.50	9.93
Node 170	0.00	11.25	9.41
Node 171	5.00	11.25	9.41
Node 172	20.00	11.25	9.41
Node 173	10.00	11.25	9.41
Node 174	15.00	11.25	9.41
Node 175	0.00	8.75	8.51
Node 176	5.00	8.75	8.51
Node 177	20.00	8.75	8.51
Node 178	10.00	8.75	8.51
Node 179	15.00	8.75	8.51
Node 180	0.00	7.50	8.14
Node 181	5.00	7.50	8.14
Node 182	20.00	7.50	8.14
Node 183	10.00	7.50	8.14
Node 184	15.00	7.50	8.14
Node 185	0.00	6.25	7.77
Node 186	5.00	6.25	7.77
Node 187	20.00	6.25	7.77
Node 188	10.00	6.25	7.77
Node 189	15.00	6.25	7.77
Node 190	0.00	18.75	12.27
Node 191	5.00	18.75	12.27
Node 192	20.00	18.75	12.27
Node 193	10.00	18.75	12.27
Node 194	15.00	18.75	12.27

Node 659	40.00	7.50	8.14
Node 660	25.00	7.50	8.14
Node 661	45.00	7.50	8.14
Node 662	30.00	7.50	8.14
Node 663	50.00	7.50	8.14
Node 664	35.00	7.50	8.14
Node 665	55.00	7.50	8.14
Node 666	60.00	7.50	8.14
Node 667	40.00	6.25	7.77
Node 668	25.00	6.25	7.77
Node 669	45.00	6.25	7.77
Node 670	30.00	6.25	7.77
Node 671	50.00	6.25	7.77
Node 672	35.00	6.25	7.77
Node 673	55.00	6.25	7.77
Node 674	60.00	6.25	7.77
Node 675	40.00	18.75	12.27
Node 676	25.00	18.75	12.27
Node 677	45.00	18.75	12.27
Node 678	30.00	18.75	12.27
Node 679	50.00	18.75	12.27
Node 680	35.00	18.75	12.27
Node 681	55.00	18.75	12.27
Node 682	60.00	18.75	12.27
Node 683	40.00	17.50	11.84
Node 684	25.00	17.50	11.84
Node 685	45.00	17.50	11.84
Node 686	30.00	17.50	11.84
Node 687	50.00	17.50	11.84
Node 688	35.00	17.50	11.84
Node 689	55.00	17.50	11.84
Node 690	60.00	17.50	11.84
Node 691	40.00	16.25	11.41
Node 692	25.00	16.25	11.41
Node 693	45.00	16.25	11.41
Node 694	30.00	16.25	11.41
Node 695	50.00	16.25	11.41
Node 696	35.00	16.25	11.41
Node 697	55.00	16.25	11.41
Node 698	60.00	16.25	11.41
Node 699	40.00	20.00	12.70
Node 700	25.00	20.00	12.70
Node 701	45.00	20.00	12.70
Node 702	30.00	20.00	12.70
Node 703	50.00	20.00	12.70
Node 704	35.00	20.00	12.70
Node 705	55.00	20.00	12.70
Node 706	60.00	20.00	12.70
Node 707	40.00	0.00	6.70
Node 708	25.00	0.00	6.70

Node 195	0.00	17.50	11.84
Node 196	5.00	17.50	11.84
Node 197	20.00	17.50	11.84
Node 198	10.00	17.50	11.84
Node 199	15.00	17.50	11.84
Node 200	0.00	16.25	11.41
Node 201	5.00	16.25	11.41
Node 202	20.00	16.25	11.41
Node 203	10.00	16.25	11.41
Node 204	15.00	16.25	11.41
Node 205	0.00	20.00	12.70
Node 206	5.00	20.00	12.70
Node 207	20.00	20.00	12.70
Node 208	10.00	20.00	12.70
Node 209	15.00	20.00	12.70
Node 210	0.00	0.00	6.70
Node 211	5.00	0.00	6.70
Node 212	20.00	0.00	6.70
Node 213	10.00	0.00	6.70
Node 214	15.00	0.00	6.70
Node 215	0.00	20.00	11.20
Node 216	5.00	20.00	11.20
Node 217	20.00	20.00	11.20
Node 218	0.00	0.00	5.20
Node 219	5.00	0.00	5.20
Node 220	20.00	0.00	5.20
Node 221	0.00	20.00	10.90
Node 222	20.00	20.00	10.90
Node 223	0.00	0.00	4.90
Node 224	20.00	0.00	4.90
Node 225	0.00	20.00	11.50
Node 226	20.00	20.00	11.50
Node 227	0.00	0.00	5.50
Node 228	20.00	0.00	5.50
Node 229	5.00	20.00	11.50
Node 230	10.00	20.00	11.50
Node 231	15.00	20.00	11.50
Node 232	5.00	0.00	5.50
Node 233	10.00	0.00	5.50
Node 234	15.00	0.00	5.50
Node 235	15.00	20.00	11.20
Node 236	10.00	20.00	11.20
Node 237	15.00	0.00	5.20
Node 238	10.00	0.00	5.20
Node 259	2.50	20.00	11.20
Node 260	2.50	0.00	5.20
Node 261	16.00	20.00	11.20
Node 262	12.50	20.00	11.20
Node 263	7.50	20.00	11.20
Node 264	16.00	0.00	5.20

Node 709	45.00	0.00	6.70
Node 710	30.00	0.00	6.70
Node 711	50.00	0.00	6.70
Node 712	35.00	0.00	6.70
Node 713	55.00	0.00	6.70
Node 714	60.00	0.00	6.70
Node 715	24.00	20.00	11.20
Node 716	44.00	20.00	11.20
Node 717	25.00	20.00	11.20
Node 718	45.00	20.00	11.20
Node 719	24.00	0.00	5.20
Node 720	44.00	0.00	5.20
Node 721	25.00	0.00	5.20
Node 722	45.00	0.00	5.20
Node 723	40.00	20.00	11.20
Node 724	60.00	20.00	11.20
Node 725	40.00	20.00	10.90
Node 726	60.00	20.00	10.90
Node 727	40.00	0.00	5.20
Node 728	60.00	0.00	5.20
Node 729	40.00	0.00	4.90
Node 730	60.00	0.00	4.90
Node 731	40.00	20.00	11.50
Node 732	60.00	20.00	11.50
Node 733	40.00	0.00	5.50
Node 734	60.00	0.00	5.50
Node 735	25.00	20.00	11.50
Node 736	45.00	20.00	11.50
Node 737	30.00	20.00	11.50
Node 738	50.00	20.00	11.50
Node 739	35.00	20.00	11.50
Node 740	55.00	20.00	11.50
Node 741	25.00	0.00	5.50
Node 742	45.00	0.00	5.50
Node 743	30.00	0.00	5.50
Node 744	50.00	0.00	5.50
Node 745	35.00	0.00	5.50
Node 746	55.00	0.00	5.50
Node 747	35.00	20.00	11.20
Node 748	55.00	20.00	11.20
Node 749	30.00	20.00	11.20
Node 750	50.00	20.00	11.20
Node 751	35.00	0.00	5.20
Node 752	55.00	0.00	5.20
Node 753	30.00	0.00	5.20
Node 754	50.00	0.00	5.20
Node 755	36.00	20.00	11.20
Node 756	57.50	20.00	11.20
Node 757	32.50	20.00	11.20
Node 758	52.50	20.00	11.20

Node 265	12.50	0.00	5.20
Node 266	7.50	0.00	5.20
Node 267	0.00	10.00	7.79
Node 268	0.00	5.00	6.29
Node 269	0.00	15.00	9.88
Node 270	0.00	20.00	12.71
Node 271	5.00	20.00	12.71
Node 272	0.00	1.25	6.88
Node 273	0.00	0.00	6.71
Node 274	5.00	0.00	6.71
Node 275	5.00	1.25	6.88
Node 276	0.00	-1.25	6.74
Node 277	5.00	-1.25	6.74
Node 278	0.00	11.25	9.42
Node 279	0.00	10.00	8.90
Node 280	5.00	10.00	8.90
Node 281	5.00	11.25	9.42
Node 282	0.00	6.25	7.78
Node 283	0.00	5.00	7.40
Node 284	5.00	5.00	7.40
Node 285	5.00	6.25	7.78
Node 286	0.00	16.25	11.42
Node 287	0.00	15.00	10.99
Node 288	5.00	15.00	10.99
Node 289	5.00	16.25	11.42
Node 290	10.00	20.00	12.71
Node 291	15.00	20.00	12.71
Node 292	20.00	20.00	12.71
Node 293	10.00	0.00	6.71
Node 294	10.00	1.25	6.88
Node 295	15.00	0.00	6.71
Node 296	15.00	1.25	6.88
Node 297	20.00	0.00	6.71
Node 298	20.00	1.25	6.88
Node 299	10.00	-1.25	6.74
Node 300	15.00	-1.25	6.74
Node 301	20.00	-1.25	6.74
Node 302	10.00	10.00	8.90
Node 303	10.00	11.25	9.42
Node 304	15.00	10.00	8.90
Node 305	15.00	11.25	9.42
Node 306	20.00	10.00	8.90
Node 307	20.00	11.25	9.42
Node 308	10.00	5.00	7.40
Node 309	10.00	6.25	7.78
Node 310	15.00	5.00	7.40
Node 311	15.00	6.25	7.78
Node 312	20.00	5.00	7.40
Node 313	20.00	6.25	7.78
Node 314	10.00	15.00	10.99

Node 759	27.50	20.00	11.20
Node 760	47.50	20.00	11.20
Node 761	36.00	0.00	5.20
Node 762	57.50	0.00	5.20
Node 763	32.50	0.00	5.20
Node 764	52.50	0.00	5.20
Node 765	27.50	0.00	5.20
Node 766	47.50	0.00	5.20
Node 783	40.00	20.00	12.71
Node 784	25.00	20.00	12.71
Node 785	45.00	20.00	12.71
Node 786	40.00	1.25	6.88
Node 787	40.00	0.00	6.71
Node 788	25.00	0.00	6.71
Node 789	45.00	0.00	6.71
Node 790	25.00	1.25	6.88
Node 791	45.00	1.25	6.88
Node 792	40.00	-1.25	6.74
Node 793	25.00	-1.25	6.74
Node 794	45.00	-1.25	6.74
Node 795	40.00	11.25	9.42
Node 796	40.00	10.00	8.90
Node 797	25.00	10.00	8.90
Node 798	45.00	10.00	8.90
Node 799	25.00	11.25	9.42
Node 800	45.00	11.25	9.42
Node 801	40.00	6.25	7.78
Node 802	40.00	5.00	7.40
Node 803	25.00	5.00	7.40
Node 804	45.00	5.00	7.40
Node 805	25.00	6.25	7.78
Node 806	45.00	6.25	7.78
Node 807	40.00	16.25	11.42
Node 808	40.00	15.00	10.99
Node 809	25.00	15.00	10.99
Node 810	45.00	15.00	10.99
Node 811	25.00	16.25	11.42
Node 812	45.00	16.25	11.42
Node 813	30.00	20.00	12.71
Node 814	50.00	20.00	12.71
Node 815	35.00	20.00	12.71
Node 816	55.00	20.00	12.71
Node 817	60.00	20.00	12.71
Node 818	30.00	0.00	6.71
Node 819	50.00	0.00	6.71
Node 820	30.00	1.25	6.88
Node 821	50.00	1.25	6.88
Node 822	35.00	0.00	6.71
Node 823	55.00	0.00	6.71
Node 824	35.00	1.25	6.88

Node 315	10.00	16.25	11.42
Node 316	15.00	15.00	10.99
Node 317	15.00	16.25	11.42
Node 318	20.00	15.00	10.99
Node 319	20.00	16.25	11.42
Node 320	0.00	3.75	7.23
Node 321	5.00	3.75	7.23
Node 322	0.00	2.50	7.06
Node 323	5.00	2.50	7.06
Node 324	0.00	-3.75	6.79
Node 325	0.00	-5.00	6.81
Node 326	5.00	-5.00	6.81
Node 327	5.00	-3.75	6.79
Node 328	0.00	-2.50	6.76
Node 329	5.00	-2.50	6.76
Node 330	0.00	13.75	10.46
Node 331	5.00	13.75	10.46
Node 332	0.00	12.50	9.94
Node 333	5.00	12.50	9.94
Node 334	0.00	8.75	8.52
Node 335	5.00	8.75	8.52
Node 336	0.00	7.50	8.15
Node 337	5.00	7.50	8.15
Node 338	0.00	18.75	12.28
Node 339	5.00	18.75	12.28
Node 340	0.00	17.50	11.85
Node 341	5.00	17.50	11.85
Node 342	10.00	3.75	7.23
Node 343	10.00	2.50	7.06
Node 344	15.00	3.75	7.23
Node 345	15.00	2.50	7.06
Node 346	20.00	3.75	7.23
Node 347	20.00	2.50	7.06
Node 348	10.00	-5.00	6.81
Node 349	10.00	-3.75	6.79
Node 350	10.00	-2.50	6.76
Node 351	15.00	-5.00	6.81
Node 352	15.00	-3.75	6.79
Node 353	15.00	-2.50	6.76
Node 354	20.00	-5.00	6.81
Node 355	20.00	-3.75	6.79
Node 356	20.00	-2.50	6.76
Node 357	10.00	13.75	10.46
Node 358	10.00	12.50	9.94
Node 359	15.00	13.75	10.46
Node 360	15.00	12.50	9.94
Node 361	20.00	13.75	10.46
Node 362	20.00	12.50	9.94
Node 363	10.00	8.75	8.52
Node 364	10.00	7.50	8.15

Node 825	55.00	1.25	6.88
Node 826	60.00	0.00	6.71
Node 827	60.00	1.25	6.88
Node 828	30.00	-1.25	6.74
Node 829	50.00	-1.25	6.74
Node 830	35.00	-1.25	6.74
Node 831	55.00	-1.25	6.74
Node 832	60.00	-1.25	6.74
Node 833	30.00	10.00	8.90
Node 834	50.00	10.00	8.90
Node 835	30.00	11.25	9.42
Node 836	50.00	11.25	9.42
Node 837	35.00	10.00	8.90
Node 838	55.00	10.00	8.90
Node 839	35.00	11.25	9.42
Node 840	55.00	11.25	9.42
Node 841	60.00	10.00	8.90
Node 842	60.00	11.25	9.42
Node 843	30.00	5.00	7.40
Node 844	50.00	5.00	7.40
Node 845	30.00	6.25	7.78
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Node 847	35.00	5.00	7.40
Node 848	55.00	5.00	7.40
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Node 850	55.00	6.25	7.78
Node 851	60.00	5.00	7.40
Node 852	60.00	6.25	7.78
Node 853	30.00	15.00	10.99
Node 854	50.00	15.00	10.99
Node 855	30.00	16.25	11.42
Node 856	50.00	16.25	11.42
Node 857	35.00	15.00	10.99
Node 858	55.00	15.00	10.99
Node 859	35.00	16.25	11.42
Node 860	55.00	16.25	11.42
Node 861	60.00	15.00	10.99
Node 862	60.00	16.25	11.42
Node 863	40.00	3.75	7.23
Node 864	25.00	3.75	7.23
Node 865	45.00	3.75	7.23
Node 866	40.00	2.50	7.06
Node 867	25.00	2.50	7.06
Node 868	45.00	2.50	7.06
Node 869	40.00	-3.75	6.79
Node 870	40.00	-5.00	6.81
Node 871	25.00	-5.00	6.81
Node 872	45.00	-5.00	6.81
Node 873	25.00	-3.75	6.79
Node 874	45.00	-3.75	6.79

Node 365	15.00	8.75	8.52
Node 366	15.00	7.50	8.15
Node 367	20.00	8.75	8.52
Node 368	20.00	7.50	8.15
Node 369	10.00	18.75	12.28
Node 370	10.00	17.50	11.85
Node 371	15.00	18.75	12.28
Node 372	15.00	17.50	11.85
Node 373	20.00	18.75	12.28
Node 374	20.00	17.50	11.85
Node 375	40.00	0.00	-0.50
Node 376	60.00	0.00	-0.50
Node 377	40.00	20.00	-0.50
Node 378	60.00	20.00	-0.50
Node 379	25.00	20.00	12.15
Node 380	45.00	20.00	12.15
Node 381	30.00	20.00	12.15
Node 382	50.00	20.00	12.15
Node 383	35.00	20.00	12.15
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Node 385	40.00	20.00	12.15
Node 386	60.00	20.00	12.15
Node 387	25.00	1.25	6.32
Node 388	45.00	1.25	6.32
Node 389	25.00	0.00	6.15
Node 390	45.00	0.00	6.15
Node 391	30.00	1.25	6.32
Node 392	50.00	1.25	6.32
Node 393	30.00	0.00	6.15
Node 394	50.00	0.00	6.15
Node 395	35.00	1.25	6.32
Node 396	55.00	1.25	6.32
Node 397	35.00	0.00	6.15
Node 398	55.00	0.00	6.15
Node 399	40.00	1.25	6.32
Node 400	60.00	1.25	6.32
Node 401	40.00	0.00	6.15
Node 402	60.00	0.00	6.15
Node 403	25.00	-1.25	6.18
Node 404	45.00	-1.25	6.18
Node 405	30.00	-1.25	6.18
Node 406	50.00	-1.25	6.18
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Node 410	60.00	-1.25	6.18
Node 411	25.00	11.25	8.86
Node 412	45.00	11.25	8.86
Node 413	25.00	10.00	8.34
Node 414	45.00	10.00	8.34

Node 875	40.00	-2.50	6.76
Node 876	25.00	-2.50	6.76
Node 877	45.00	-2.50	6.76
Node 878	40.00	13.75	10.46
Node 879	25.00	13.75	10.46
Node 880	45.00	13.75	10.46
Node 881	40.00	12.50	9.94
Node 882	25.00	12.50	9.94
Node 883	45.00	12.50	9.94
Node 884	40.00	8.75	8.52
Node 885	25.00	8.75	8.52
Node 886	45.00	8.75	8.52
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Node 890	40.00	18.75	12.28
Node 891	25.00	18.75	12.28
Node 892	45.00	18.75	12.28
Node 893	40.00	17.50	11.85
Node 894	25.00	17.50	11.85
Node 895	45.00	17.50	11.85
Node 896	30.00	3.75	7.23
Node 897	50.00	3.75	7.23
Node 898	30.00	2.50	7.06
Node 899	50.00	2.50	7.06
Node 900	35.00	3.75	7.23
Node 901	55.00	3.75	7.23
Node 902	35.00	2.50	7.06
Node 903	55.00	2.50	7.06
Node 904	60.00	3.75	7.23
Node 905	60.00	2.50	7.06
Node 906	30.00	-5.00	6.81
Node 907	50.00	-5.00	6.81
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Node 910	30.00	-2.50	6.76
Node 911	50.00	-2.50	6.76
Node 912	35.00	-5.00	6.81
Node 913	55.00	-5.00	6.81
Node 914	35.00	-3.75	6.79
Node 915	55.00	-3.75	6.79
Node 916	35.00	-2.50	6.76
Node 917	55.00	-2.50	6.76
Node 918	60.00	-5.00	6.81
Node 919	60.00	-3.75	6.79
Node 920	60.00	-2.50	6.76
Node 921	30.00	13.75	10.46
Node 922	50.00	13.75	10.46
Node 923	30.00	12.50	9.94
Node 924	50.00	12.50	9.94

Node 415	30.00	11.25	8.86
Node 416	50.00	11.25	8.86
Node 417	30.00	10.00	8.34
Node 418	50.00	10.00	8.34
Node 419	35.00	11.25	8.86
Node 420	55.00	11.25	8.86
Node 421	35.00	10.00	8.34
Node 422	55.00	10.00	8.34
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Node 424	60.00	11.25	8.86
Node 425	40.00	10.00	8.34
Node 426	60.00	10.00	8.34
Node 427	25.00	6.25	7.22
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Node 431	30.00	6.25	7.22
Node 432	50.00	6.25	7.22
Node 433	30.00	5.00	6.84
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Node 435	35.00	6.25	7.22
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Node 439	40.00	6.25	7.22
Node 440	60.00	6.25	7.22
Node 441	40.00	5.00	6.84
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Node 443	25.00	16.25	10.86
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Node 445	25.00	15.00	10.43
Node 446	45.00	15.00	10.43
Node 447	30.00	16.25	10.86
Node 448	50.00	16.25	10.86
Node 449	30.00	15.00	10.43
Node 450	50.00	15.00	10.43
Node 451	35.00	16.25	10.86
Node 452	55.00	16.25	10.86
Node 453	35.00	15.00	10.43
Node 454	55.00	15.00	10.43
Node 455	40.00	16.25	10.86
Node 456	60.00	16.25	10.86
Node 457	40.00	15.00	10.43
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Node 459	25.00	3.75	6.67
Node 460	45.00	3.75	6.67
Node 461	25.00	2.50	6.50
Node 462	45.00	2.50	6.50
Node 463	30.00	3.75	6.67
Node 464	50.00	3.75	6.67

Node 925	35.00	13.75	10.46
Node 926	55.00	13.75	10.46
Node 927	35.00	12.50	9.94
Node 928	55.00	12.50	9.94
Node 929	60.00	13.75	10.46
Node 930	60.00	12.50	9.94
Node 931	30.00	8.75	8.52
Node 932	50.00	8.75	8.52
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Node 937	35.00	7.50	8.15
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Node 940	60.00	7.50	8.15
Node 941	30.00	18.75	12.28
Node 942	50.00	18.75	12.28
Node 943	30.00	17.50	11.85
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Node 945	35.00	18.75	12.28
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Node 947	35.00	17.50	11.85
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Node 949	60.00	18.75	12.28
Node 950	60.00	17.50	11.85
Node 967	25.00	23.75	13.22
Node 968	25.00	22.50	12.86
Node 969	45.00	23.75	13.22
Node 970	45.00	22.50	12.86
Node 971	25.00	21.25	12.51
Node 972	45.00	21.25	12.51
Node 973	30.00	23.75	13.22
Node 974	30.00	22.50	12.86
Node 975	50.00	23.75	13.22
Node 976	50.00	22.50	12.86
Node 977	30.00	21.25	12.51
Node 978	50.00	21.25	12.51
Node 979	35.00	23.75	13.22
Node 980	35.00	22.50	12.86
Node 981	55.00	23.75	13.22
Node 982	55.00	22.50	12.86
Node 983	35.00	21.25	12.51
Node 984	55.00	21.25	12.51
Node 985	40.00	23.75	13.22
Node 986	40.00	22.50	12.86
Node 987	60.00	23.75	13.22
Node 988	60.00	22.50	12.86
Node 989	40.00	21.25	12.51
Node 990	60.00	21.25	12.51

Node 465	30.00	2.50	6.50
Node 466	50.00	2.50	6.50
Node 467	35.00	3.75	6.67
Node 468	55.00	3.75	6.67
Node 469	35.00	2.50	6.50
Node 470	55.00	2.50	6.50
Node 471	40.00	3.75	6.67
Node 472	60.00	3.75	6.67
Node 473	40.00	2.50	6.50
Node 474	60.00	2.50	6.50
Node 475	25.00	-5.00	6.25
Node 476	45.00	-5.00	6.25
Node 477	25.00	-3.75	6.23
Node 478	45.00	-3.75	6.23
Node 479	25.00	-2.50	6.20
Node 480	45.00	-2.50	6.20
Node 481	30.00	-5.00	6.25
Node 482	50.00	-5.00	6.25
Node 483	30.00	-3.75	6.23
Node 484	50.00	-3.75	6.23
Node 485	30.00	-2.50	6.20
Node 486	50.00	-2.50	6.20
Node 487	35.00	-5.00	6.25
Node 488	55.00	-5.00	6.25
Node 489	35.00	-3.75	6.23
Node 490	55.00	-3.75	6.23
Node 491	35.00	-2.50	6.20
Node 492	55.00	-2.50	6.20
Node 493	40.00	-5.00	6.25
Node 494	60.00	-5.00	6.25
Node 495	40.00	-3.75	6.23
Node 496	60.00	-3.75	6.23
Node 497	40.00	-2.50	6.20
Node 498	60.00	-2.50	6.20
Node 499	25.00	13.75	9.90
Node 500	45.00	13.75	9.90
Node 501	25.00	12.50	9.38
Node 502	45.00	12.50	9.38
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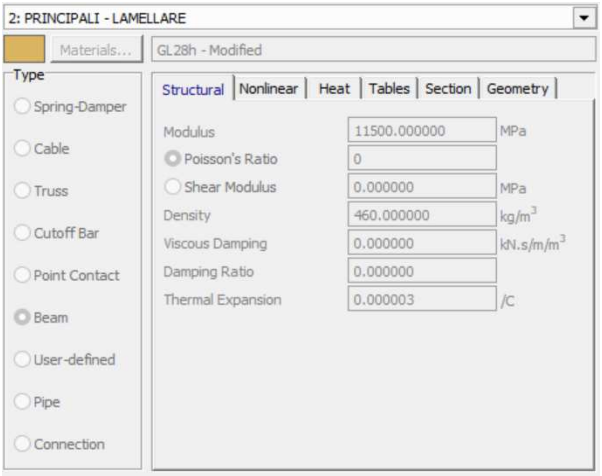
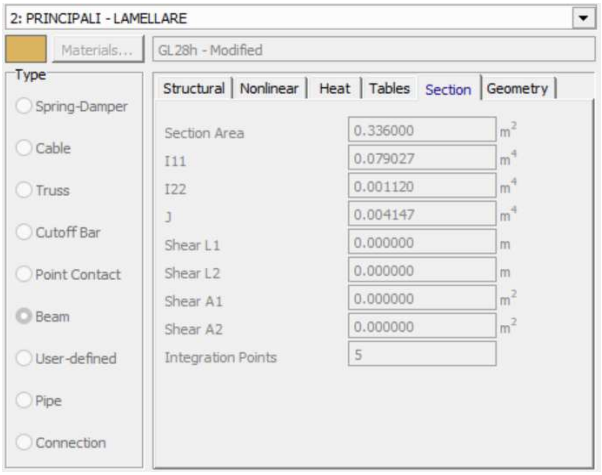
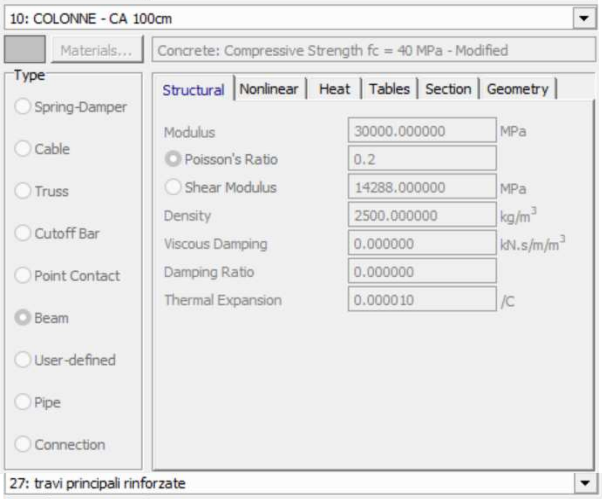
Node 506	50.00	12.50	9.38
Node 507	35.00	13.75	9.90
Node 508	55.00	13.75	9.90
Node 509	35.00	12.50	9.38
Node 510	55.00	12.50	9.38
Node 511	40.00	13.75	9.90
Node 512	60.00	13.75	9.90
Node 513	40.00	12.50	9.38
Node 514	60.00	12.50	9.38

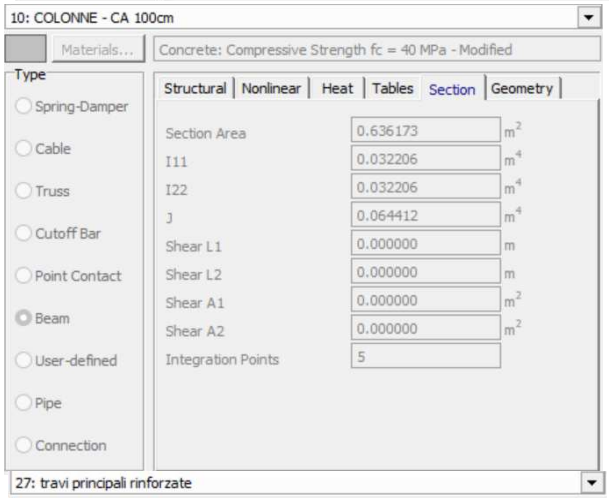
Node 991	25.00	22.50	13.41
Node 992	40.00	22.50	13.41
Node 993	45.00	22.50	13.41
Node 994	60.00	22.50	13.41
Node 995	30.00	22.50	13.41
Node 996	50.00	22.50	13.41
Node 997	35.00	22.50	13.41
Node 998	55.00	22.50	13.41
Node 999	25.00	21.25	13.06
Node 1000	40.00	21.25	13.06
Node 1001	45.00	21.25	13.06
Node 1002	60.00	21.25	13.06
Node 1003	30.00	21.25	13.06
Node 1004	50.00	21.25	13.06
Node 1005	35.00	21.25	13.06
Node 1006	55.00	21.25	13.06
Node 1007	25.00	23.75	13.77
Node 1008	40.00	23.75	13.77
Node 1009	45.00	23.75	13.77
Node 1010	60.00	23.75	13.77
Node 1011	30.00	23.75	13.77
Node 1012	50.00	23.75	13.77
Node 1013	35.00	23.75	13.77
Node 1014	55.00	23.75	13.77
Node 1015	25.00	22.50	13.42
Node 1016	45.00	22.50	13.42
Node 1017	40.00	21.25	13.07
Node 1018	60.00	21.25	13.07
Node 1019	30.00	22.50	13.42
Node 1020	50.00	22.50	13.42
Node 1021	50.00	21.25	13.07
Node 1022	35.00	21.25	13.07
Node 1023	25.00	23.75	13.78
Node 1024	40.00	23.75	13.78
Node 1025	40.00	22.50	13.42
Node 1026	45.00	23.75	13.78
Node 1027	60.00	23.75	13.78
Node 1028	60.00	22.50	13.42
Node 1029	25.00	21.25	13.07
Node 1030	45.00	21.25	13.07
Node 1031	30.00	23.75	13.78
Node 1032	50.00	23.75	13.78
Node 1033	30.00	21.25	13.07
Node 1034	35.00	22.50	13.42
Node 1035	35.00	23.75	13.78
Node 1036	55.00	22.50	13.42
Node 1037	55.00	23.75	13.78
Node 1038	55.00	21.25	13.07

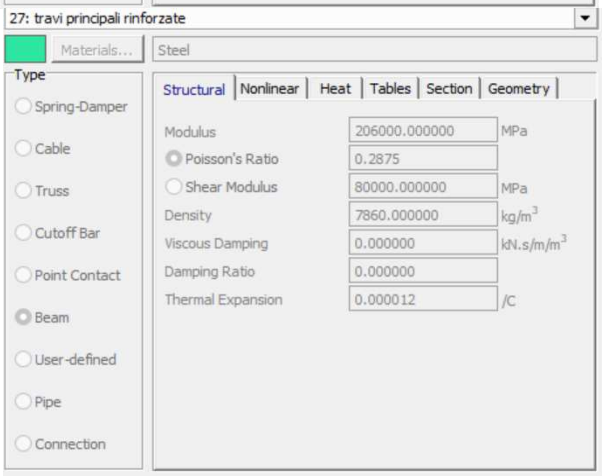
Proprietà delle sezioni utilizzate

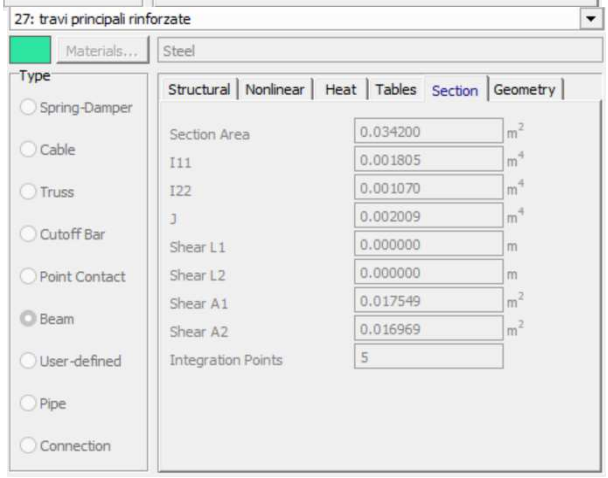












3: PRINCIPALI - ACCIAIO

Materials... | Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	206000.000000	MPa
Poisson's Ratio	0.2875	
Shear Modulus	80000.000000	MPa
Density	7860.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000012	/C

3: PRINCIPALI - ACCIAIO

Materials... | Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.026700	m^2
I11	0.001410	m^4
I22	0.000861	m^4
J	0.001606	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.013246	m^2
Shear A2	0.013651	m^2
Integration Points	5	

5: ARCARECCI - LAMELLARE

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

5: ARCARECCI - LAMELLARE

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032000	m^2
I11	0.000107	m^4
I22	0.000068	m^4
J	0.000145	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.000000	m^2
Shear A2	0.000000	m^2
Integration Points	5	

8: CONTROVENTI

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Include Torsional Stiffness		
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

8: CONTROVENTI

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032400	m^2
J	0.000148	m^4
Integration Points	5	

Definizione delle aste

	Type	Property	ID	Angle (deg)	N1	N2
Beam 1	Beam2	2: PRINCIPALI - LAMELLARE	0	90	10	11
Beam 2	Beam2	2: PRINCIPALI - LAMELLARE	0	90	12	13
Beam 3	Beam2	2: PRINCIPALI - LAMELLARE	0	90	14	15
Beam 4	Beam2	2: PRINCIPALI - LAMELLARE	0	90	16	17
Beam 5	Beam2	2: PRINCIPALI - LAMELLARE	0	90	18	19
Beam 6	Beam2	2: PRINCIPALI - LAMELLARE	0	90	20	11
Beam 7	Beam2	2: PRINCIPALI - LAMELLARE	0	90	21	13
Beam 8	Beam2	2: PRINCIPALI - LAMELLARE	0	90	22	15
Beam 9	Beam2	2: PRINCIPALI - LAMELLARE	0	90	23	17
Beam 10	Beam2	2: PRINCIPALI - LAMELLARE	0	90	24	19
Beam 11	Beam2	2: PRINCIPALI - LAMELLARE	0	90	25	26
Beam 12	Beam2	2: PRINCIPALI - LAMELLARE	0	90	27	28
Beam 13	Beam2	2: PRINCIPALI - LAMELLARE	0	90	29	30
Beam 14	Beam2	2: PRINCIPALI - LAMELLARE	0	90	31	32
Beam 15	Beam2	2: PRINCIPALI - LAMELLARE	0	90	33	34
Beam 16	Beam2	2: PRINCIPALI - LAMELLARE	0	90	35	36
Beam 17	Beam2	2: PRINCIPALI - LAMELLARE	0	90	37	38
Beam 18	Beam2	2: PRINCIPALI - LAMELLARE	0	90	39	40
Beam 19	Beam2	2: PRINCIPALI - LAMELLARE	0	90	41	42
Beam 20	Beam2	2: PRINCIPALI - LAMELLARE	0	90	43	44
Beam 21	Beam2	2: PRINCIPALI - LAMELLARE	0	90	45	46
Beam 22	Beam2	2: PRINCIPALI - LAMELLARE	0	90	47	48
Beam 23	Beam2	2: PRINCIPALI - LAMELLARE	0	90	49	50
Beam 24	Beam2	2: PRINCIPALI - LAMELLARE	0	90	51	52
Beam 25	Beam2	2: PRINCIPALI - LAMELLARE	0	90	53	54
Beam 26	Beam2	2: PRINCIPALI - LAMELLARE	0	90	36	55
Beam 27	Beam2	2: PRINCIPALI - LAMELLARE	0	90	55	56
Beam 28	Beam2	2: PRINCIPALI - LAMELLARE	0	90	56	10
Beam 29	Beam2	2: PRINCIPALI - LAMELLARE	0	90	38	57
Beam 30	Beam2	2: PRINCIPALI - LAMELLARE	0	90	57	58
Beam 31	Beam2	2: PRINCIPALI - LAMELLARE	0	90	58	12
Beam 32	Beam2	2: PRINCIPALI - LAMELLARE	0	90	40	59
Beam 33	Beam2	2: PRINCIPALI - LAMELLARE	0	90	59	60
Beam 34	Beam2	2: PRINCIPALI - LAMELLARE	0	90	60	14
Beam 35	Beam2	2: PRINCIPALI - LAMELLARE	0	90	42	61
Beam 36	Beam2	2: PRINCIPALI - LAMELLARE	0	90	44	62
Beam 37	Beam2	2: PRINCIPALI - LAMELLARE	0	90	61	63
Beam 38	Beam2	2: PRINCIPALI - LAMELLARE	0	90	62	64
Beam 39	Beam2	2: PRINCIPALI - LAMELLARE	0	90	63	16
Beam 40	Beam2	2: PRINCIPALI - LAMELLARE	0	90	64	18
Beam 41	Beam2	2: PRINCIPALI - LAMELLARE	0	90	65	66
Beam 42	Beam2	2: PRINCIPALI - LAMELLARE	0	90	66	67
Beam 43	Beam2	2: PRINCIPALI - LAMELLARE	0	90	67	20
Beam 44	Beam2	2: PRINCIPALI - LAMELLARE	0	90	68	69

Beam 45	Beam2	2: PRINCIPALI - LAMELLARE	0	90	69	70
Beam 46	Beam2	2: PRINCIPALI - LAMELLARE	0	90	70	21
Beam 47	Beam2	2: PRINCIPALI - LAMELLARE	0	90	71	72
Beam 48	Beam2	2: PRINCIPALI - LAMELLARE	0	90	72	73
Beam 49	Beam2	2: PRINCIPALI - LAMELLARE	0	90	73	22
Beam 50	Beam2	2: PRINCIPALI - LAMELLARE	0	90	74	75
Beam 51	Beam2	2: PRINCIPALI - LAMELLARE	0	90	76	77
Beam 52	Beam2	2: PRINCIPALI - LAMELLARE	0	90	75	78
Beam 53	Beam2	2: PRINCIPALI - LAMELLARE	0	90	77	79
Beam 54	Beam2	2: PRINCIPALI - LAMELLARE	0	90	78	23
Beam 55	Beam2	2: PRINCIPALI - LAMELLARE	0	90	79	24
Beam 56	Beam2	2: PRINCIPALI - LAMELLARE	0	90	46	80
Beam 57	Beam2	2: PRINCIPALI - LAMELLARE	0	90	80	81
Beam 58	Beam2	2: PRINCIPALI - LAMELLARE	0	90	81	25
Beam 59	Beam2	2: PRINCIPALI - LAMELLARE	0	90	48	82
Beam 60	Beam2	2: PRINCIPALI - LAMELLARE	0	90	82	83
Beam 61	Beam2	2: PRINCIPALI - LAMELLARE	0	90	83	27
Beam 62	Beam2	2: PRINCIPALI - LAMELLARE	0	90	50	84
Beam 63	Beam2	2: PRINCIPALI - LAMELLARE	0	90	84	85
Beam 64	Beam2	2: PRINCIPALI - LAMELLARE	0	90	85	29
Beam 65	Beam2	2: PRINCIPALI - LAMELLARE	0	90	52	86
Beam 66	Beam2	2: PRINCIPALI - LAMELLARE	0	90	54	87
Beam 67	Beam2	2: PRINCIPALI - LAMELLARE	0	90	86	88
Beam 68	Beam2	2: PRINCIPALI - LAMELLARE	0	90	87	89
Beam 69	Beam2	2: PRINCIPALI - LAMELLARE	0	90	88	31
Beam 70	Beam2	2: PRINCIPALI - LAMELLARE	0	90	89	33
Beam 71	Beam2	2: PRINCIPALI - LAMELLARE	0	90	26	90
Beam 72	Beam2	2: PRINCIPALI - LAMELLARE	0	90	90	91
Beam 73	Beam2	2: PRINCIPALI - LAMELLARE	0	90	91	35
Beam 74	Beam2	2: PRINCIPALI - LAMELLARE	0	90	28	92
Beam 75	Beam2	2: PRINCIPALI - LAMELLARE	0	90	92	93
Beam 76	Beam2	2: PRINCIPALI - LAMELLARE	0	90	93	37
Beam 77	Beam2	2: PRINCIPALI - LAMELLARE	0	90	30	94
Beam 78	Beam2	2: PRINCIPALI - LAMELLARE	0	90	94	95
Beam 79	Beam2	2: PRINCIPALI - LAMELLARE	0	90	95	39
Beam 80	Beam2	2: PRINCIPALI - LAMELLARE	0	90	32	96
Beam 81	Beam2	2: PRINCIPALI - LAMELLARE	0	90	34	97
Beam 82	Beam2	2: PRINCIPALI - LAMELLARE	0	90	96	98
Beam 83	Beam2	2: PRINCIPALI - LAMELLARE	0	90	97	99
Beam 84	Beam2	2: PRINCIPALI - LAMELLARE	0	90	98	41
Beam 85	Beam2	2: PRINCIPALI - LAMELLARE	0	90	99	43
Beam 86	Beam2	2: PRINCIPALI - LAMELLARE	0	90	5	100
Beam 87	Beam2	2: PRINCIPALI - LAMELLARE	0	90	100	101
Beam 88	Beam2	2: PRINCIPALI - LAMELLARE	0	90	101	45
Beam 89	Beam2	2: PRINCIPALI - LAMELLARE	0	90	6	102
Beam 90	Beam2	2: PRINCIPALI - LAMELLARE	0	90	102	103
Beam 91	Beam2	2: PRINCIPALI - LAMELLARE	0	90	103	47
Beam 92	Beam2	2: PRINCIPALI - LAMELLARE	0	90	7	104
Beam 93	Beam2	2: PRINCIPALI - LAMELLARE	0	90	104	105
Beam 94	Beam2	2: PRINCIPALI - LAMELLARE	0	90	105	49

Beam 95	Beam2	2: PRINCIPALI - LAMELLARE	0	90	8	106
Beam 96	Beam2	2: PRINCIPALI - LAMELLARE	0	90	9	107
Beam 97	Beam2	2: PRINCIPALI - LAMELLARE	0	90	106	108
Beam 98	Beam2	2: PRINCIPALI - LAMELLARE	0	90	107	109
Beam 99	Beam2	2: PRINCIPALI - LAMELLARE	0	90	108	51
Beam 100	Beam2	2: PRINCIPALI - LAMELLARE	0	90	109	53
Beam 101	Beam2	3: PRINCIPALI - ACCIAIO	0	90	259	216
Beam 102	Beam2	3: PRINCIPALI - ACCIAIO	0	90	260	219
Beam 103	Beam2	4: FICT 1	0	0	5	206
Beam 104	Beam2	4: FICT 1	0	0	6	208
Beam 105	Beam2	4: FICT 1	0	0	7	209
Beam 106	Beam2	4: FICT 1	0	0	8	205
Beam 107	Beam2	4: FICT 1	0	0	9	207
Beam 108	Beam2	4: FICT 1	0	0	10	141
Beam 109	Beam2	4: FICT 1	0	0	11	211
Beam 110	Beam2	4: FICT 1	0	0	12	143
Beam 111	Beam2	4: FICT 1	0	0	13	213
Beam 112	Beam2	4: FICT 1	0	0	14	144
Beam 113	Beam2	4: FICT 1	0	0	15	214
Beam 114	Beam2	4: FICT 1	0	0	16	140
Beam 115	Beam2	4: FICT 1	0	0	18	142
Beam 116	Beam2	4: FICT 1	0	0	17	210
Beam 117	Beam2	4: FICT 1	0	0	19	212
Beam 118	Beam2	4: FICT 1	0	0	20	156
Beam 119	Beam2	4: FICT 1	0	0	21	158
Beam 120	Beam2	4: FICT 1	0	0	22	159
Beam 121	Beam2	4: FICT 1	0	0	23	155
Beam 122	Beam2	4: FICT 1	0	0	24	157
Beam 123	Beam2	4: FICT 1	0	0	25	171
Beam 124	Beam2	4: FICT 1	0	0	26	116
Beam 125	Beam2	4: FICT 1	0	0	27	173
Beam 126	Beam2	4: FICT 1	0	0	28	118
Beam 127	Beam2	4: FICT 1	0	0	29	174
Beam 128	Beam2	4: FICT 1	0	0	30	119
Beam 129	Beam2	4: FICT 1	0	0	31	170
Beam 130	Beam2	4: FICT 1	0	0	33	172
Beam 131	Beam2	4: FICT 1	0	0	32	115
Beam 132	Beam2	4: FICT 1	0	0	34	117
Beam 133	Beam2	4: FICT 1	0	0	35	186
Beam 134	Beam2	4: FICT 1	0	0	36	121
Beam 135	Beam2	4: FICT 1	0	0	37	188
Beam 136	Beam2	4: FICT 1	0	0	38	123
Beam 137	Beam2	4: FICT 1	0	0	39	189
Beam 138	Beam2	4: FICT 1	0	0	40	124
Beam 139	Beam2	4: FICT 1	0	0	41	185
Beam 140	Beam2	4: FICT 1	0	0	43	187
Beam 141	Beam2	4: FICT 1	0	0	42	120
Beam 142	Beam2	4: FICT 1	0	0	44	122
Beam 143	Beam2	4: FICT 1	0	0	45	201
Beam 144	Beam2	4: FICT 1	0	0	46	126

Beam 145	Beam2	4: FICT 1	0	0	47	203
Beam 146	Beam2	4: FICT 1	0	0	48	128
Beam 147	Beam2	4: FICT 1	0	0	49	204
Beam 148	Beam2	4: FICT 1	0	0	50	129
Beam 149	Beam2	4: FICT 1	0	0	51	200
Beam 150	Beam2	4: FICT 1	0	0	53	202
Beam 151	Beam2	4: FICT 1	0	0	52	125
Beam 152	Beam2	4: FICT 1	0	0	54	127
Beam 153	Beam2	4: FICT 1	0	0	55	131
Beam 154	Beam2	4: FICT 1	0	0	56	136
Beam 155	Beam2	4: FICT 1	0	0	57	133
Beam 156	Beam2	4: FICT 1	0	0	58	138
Beam 157	Beam2	4: FICT 1	0	0	59	134
Beam 158	Beam2	4: FICT 1	0	0	60	139
Beam 159	Beam2	4: FICT 1	0	0	61	130
Beam 160	Beam2	4: FICT 1	0	0	62	132
Beam 161	Beam2	4: FICT 1	0	0	63	135
Beam 162	Beam2	4: FICT 1	0	0	64	137
Beam 163	Beam2	4: FICT 1	0	0	65	111
Beam 164	Beam2	4: FICT 1	0	0	66	146
Beam 165	Beam2	4: FICT 1	0	0	67	151
Beam 166	Beam2	4: FICT 1	0	0	68	113
Beam 167	Beam2	4: FICT 1	0	0	69	148
Beam 168	Beam2	4: FICT 1	0	0	70	153
Beam 169	Beam2	4: FICT 1	0	0	71	114
Beam 170	Beam2	4: FICT 1	0	0	72	149
Beam 171	Beam2	4: FICT 1	0	0	73	154
Beam 172	Beam2	4: FICT 1	0	0	74	110
Beam 173	Beam2	4: FICT 1	0	0	76	112
Beam 174	Beam2	4: FICT 1	0	0	75	145
Beam 175	Beam2	4: FICT 1	0	0	77	147
Beam 176	Beam2	4: FICT 1	0	0	78	150
Beam 177	Beam2	4: FICT 1	0	0	79	152
Beam 178	Beam2	4: FICT 1	0	0	80	161
Beam 179	Beam2	4: FICT 1	0	0	81	166
Beam 180	Beam2	4: FICT 1	0	0	82	163
Beam 181	Beam2	4: FICT 1	0	0	83	168
Beam 182	Beam2	4: FICT 1	0	0	84	164
Beam 183	Beam2	4: FICT 1	0	0	85	169
Beam 184	Beam2	4: FICT 1	0	0	86	160
Beam 185	Beam2	4: FICT 1	0	0	87	162
Beam 186	Beam2	4: FICT 1	0	0	88	165
Beam 187	Beam2	4: FICT 1	0	0	89	167
Beam 188	Beam2	4: FICT 1	0	0	90	176
Beam 189	Beam2	4: FICT 1	0	0	91	181
Beam 190	Beam2	4: FICT 1	0	0	92	178
Beam 191	Beam2	4: FICT 1	0	0	93	183
Beam 192	Beam2	4: FICT 1	0	0	94	179
Beam 193	Beam2	4: FICT 1	0	0	95	184
Beam 194	Beam2	4: FICT 1	0	0	96	175

Beam 195	Beam2	4: FICT 1	0	0	97	177
Beam 196	Beam2	4: FICT 1	0	0	98	180
Beam 197	Beam2	4: FICT 1	0	0	99	182
Beam 198	Beam2	4: FICT 1	0	0	100	191
Beam 199	Beam2	4: FICT 1	0	0	101	196
Beam 200	Beam2	4: FICT 1	0	0	102	193
Beam 201	Beam2	4: FICT 1	0	0	103	198
Beam 202	Beam2	4: FICT 1	0	0	104	194
Beam 203	Beam2	4: FICT 1	0	0	105	199
Beam 204	Beam2	4: FICT 1	0	0	106	190
Beam 205	Beam2	4: FICT 1	0	0	107	192
Beam 206	Beam2	4: FICT 1	0	0	108	195
Beam 207	Beam2	4: FICT 1	0	0	109	197
Beam 208	Beam2	6: FICT 2	0	0	215	221
Beam 209	Beam2	6: FICT 2	0	0	217	222
Beam 210	Beam2	6: FICT 2	0	0	218	223
Beam 211	Beam2	6: FICT 2	0	0	220	224
Beam 212	Beam2	6: FICT 2	0	0	215	225
Beam 213	Beam2	6: FICT 2	0	0	217	226
Beam 214	Beam2	6: FICT 2	0	0	218	227
Beam 215	Beam2	6: FICT 2	0	0	220	228
Beam 216	Beam2	4: FICT 1	0	0	5	229
Beam 217	Beam2	4: FICT 1	0	0	6	230
Beam 218	Beam2	4: FICT 1	0	0	7	231
Beam 219	Beam2	4: FICT 1	0	0	8	225
Beam 220	Beam2	4: FICT 1	0	0	9	226
Beam 221	Beam2	4: FICT 1	0	0	11	232
Beam 222	Beam2	4: FICT 1	0	0	13	233
Beam 223	Beam2	4: FICT 1	0	0	15	234
Beam 224	Beam2	4: FICT 1	0	0	17	227
Beam 225	Beam2	4: FICT 1	0	0	19	228
Beam 226	Beam2	6: FICT 2	0	0	235	231
Beam 227	Beam2	6: FICT 2	0	0	236	230
Beam 228	Beam2	6: FICT 2	0	0	216	229
Beam 229	Beam2	6: FICT 2	0	0	237	234
Beam 230	Beam2	6: FICT 2	0	0	238	233
Beam 231	Beam2	6: FICT 2	0	0	219	232
Beam 232	Beam2	27: travi principali rinforzate	0	90	261	217
Beam 233	Beam2	3: PRINCIPALI - ACCIAIO	0	90	262	235
Beam 234	Beam2	3: PRINCIPALI - ACCIAIO	0	90	263	236
Beam 235	Beam2	27: travi principali rinforzate	0	90	264	220
Beam 236	Beam2	3: PRINCIPALI - ACCIAIO	0	90	265	237
Beam 237	Beam2	3: PRINCIPALI - ACCIAIO	0	90	266	238
Beam 238	Beam2	8: CONTROVENTI	0	0	205	126
Beam 239	Beam2	8: CONTROVENTI	0	0	126	115
Beam 240	Beam2	8: CONTROVENTI	0	0	115	121
Beam 241	Beam2	8: CONTROVENTI	0	0	121	210
Beam 242	Beam2	8: CONTROVENTI	0	0	210	111
Beam 277	Beam2	3: PRINCIPALI - ACCIAIO	0	90	215	259
Beam 278	Beam2	3: PRINCIPALI - ACCIAIO	0	90	218	260

Beam 279	Beam2	3: PRINCIPALI - ACCIAIO	0	90	235	261
Beam 280	Beam2	3: PRINCIPALI - ACCIAIO	0	90	236	262
Beam 281	Beam2	3: PRINCIPALI - ACCIAIO	0	90	216	263
Beam 282	Beam2	3: PRINCIPALI - ACCIAIO	0	90	237	264
Beam 283	Beam2	3: PRINCIPALI - ACCIAIO	0	90	238	265
Beam 284	Beam2	3: PRINCIPALI - ACCIAIO	0	90	219	266
Beam 285	Beam2	4: FICT 1	0	0	267	32
Beam 286	Beam2	4: FICT 1	0	0	268	42
Beam 287	Beam2	4: FICT 1	0	0	269	52
Beam 288	Beam2	21: FICT 3	0	0	270	205
Beam 289	Beam2	21: FICT 3	0	0	271	206
Beam 290	Beam2	21: FICT 3	0	0	272	140
Beam 291	Beam2	21: FICT 3	0	0	273	210
Beam 292	Beam2	21: FICT 3	0	0	274	211
Beam 293	Beam2	21: FICT 3	0	0	275	141
Beam 294	Beam2	21: FICT 3	0	0	276	155
Beam 295	Beam2	21: FICT 3	0	0	277	156
Beam 296	Beam2	21: FICT 3	0	0	278	170
Beam 297	Beam2	21: FICT 3	0	0	279	115
Beam 298	Beam2	21: FICT 3	0	0	280	116
Beam 299	Beam2	21: FICT 3	0	0	281	171
Beam 300	Beam2	21: FICT 3	0	0	282	185
Beam 301	Beam2	21: FICT 3	0	0	283	120
Beam 302	Beam2	21: FICT 3	0	0	284	121
Beam 303	Beam2	21: FICT 3	0	0	285	186
Beam 304	Beam2	21: FICT 3	0	0	286	200
Beam 305	Beam2	21: FICT 3	0	0	287	125
Beam 306	Beam2	21: FICT 3	0	0	288	126
Beam 307	Beam2	21: FICT 3	0	0	289	201
Beam 308	Beam2	21: FICT 3	0	0	290	208
Beam 309	Beam2	21: FICT 3	0	0	291	209
Beam 310	Beam2	21: FICT 3	0	0	292	207
Beam 311	Beam2	21: FICT 3	0	0	293	213
Beam 312	Beam2	21: FICT 3	0	0	294	143
Beam 313	Beam2	21: FICT 3	0	0	295	214
Beam 314	Beam2	21: FICT 3	0	0	296	144
Beam 315	Beam2	21: FICT 3	0	0	297	212
Beam 316	Beam2	21: FICT 3	0	0	298	142
Beam 317	Beam2	21: FICT 3	0	0	299	158
Beam 318	Beam2	21: FICT 3	0	0	300	159
Beam 319	Beam2	21: FICT 3	0	0	301	157
Beam 320	Beam2	21: FICT 3	0	0	302	118
Beam 321	Beam2	21: FICT 3	0	0	303	173
Beam 322	Beam2	21: FICT 3	0	0	304	119
Beam 323	Beam2	21: FICT 3	0	0	305	174
Beam 324	Beam2	21: FICT 3	0	0	306	117
Beam 325	Beam2	21: FICT 3	0	0	307	172
Beam 326	Beam2	21: FICT 3	0	0	308	123
Beam 327	Beam2	21: FICT 3	0	0	309	188
Beam 328	Beam2	21: FICT 3	0	0	310	124

Beam 329	Beam2	21: FICT 3	0	0	311	189
Beam 330	Beam2	21: FICT 3	0	0	312	122
Beam 331	Beam2	21: FICT 3	0	0	313	187
Beam 332	Beam2	21: FICT 3	0	0	314	128
Beam 333	Beam2	21: FICT 3	0	0	315	203
Beam 334	Beam2	21: FICT 3	0	0	316	129
Beam 335	Beam2	21: FICT 3	0	0	317	204
Beam 336	Beam2	21: FICT 3	0	0	318	127
Beam 337	Beam2	21: FICT 3	0	0	319	202
Beam 338	Beam2	21: FICT 3	0	0	320	130
Beam 339	Beam2	21: FICT 3	0	0	321	131
Beam 340	Beam2	21: FICT 3	0	0	322	135
Beam 341	Beam2	21: FICT 3	0	0	323	136
Beam 342	Beam2	21: FICT 3	0	0	324	145
Beam 343	Beam2	21: FICT 3	0	0	325	110
Beam 344	Beam2	21: FICT 3	0	0	326	111
Beam 345	Beam2	21: FICT 3	0	0	327	146
Beam 346	Beam2	21: FICT 3	0	0	328	150
Beam 347	Beam2	21: FICT 3	0	0	329	151
Beam 348	Beam2	21: FICT 3	0	0	330	160
Beam 349	Beam2	21: FICT 3	0	0	331	161
Beam 350	Beam2	21: FICT 3	0	0	332	165
Beam 351	Beam2	21: FICT 3	0	0	333	166
Beam 352	Beam2	21: FICT 3	0	0	334	175
Beam 353	Beam2	21: FICT 3	0	0	335	176
Beam 354	Beam2	21: FICT 3	0	0	336	180
Beam 355	Beam2	21: FICT 3	0	0	337	181
Beam 356	Beam2	21: FICT 3	0	0	338	190
Beam 357	Beam2	21: FICT 3	0	0	339	191
Beam 358	Beam2	21: FICT 3	0	0	340	195
Beam 359	Beam2	21: FICT 3	0	0	341	196
Beam 360	Beam2	21: FICT 3	0	0	342	133
Beam 361	Beam2	21: FICT 3	0	0	343	138
Beam 362	Beam2	21: FICT 3	0	0	344	134
Beam 363	Beam2	21: FICT 3	0	0	345	139
Beam 364	Beam2	21: FICT 3	0	0	346	132
Beam 365	Beam2	21: FICT 3	0	0	347	137
Beam 366	Beam2	21: FICT 3	0	0	348	113
Beam 367	Beam2	21: FICT 3	0	0	349	148
Beam 368	Beam2	21: FICT 3	0	0	350	153
Beam 369	Beam2	21: FICT 3	0	0	351	114
Beam 370	Beam2	21: FICT 3	0	0	352	149
Beam 371	Beam2	21: FICT 3	0	0	353	154
Beam 372	Beam2	21: FICT 3	0	0	354	112
Beam 373	Beam2	21: FICT 3	0	0	355	147
Beam 374	Beam2	21: FICT 3	0	0	356	152
Beam 375	Beam2	21: FICT 3	0	0	357	163
Beam 376	Beam2	21: FICT 3	0	0	358	168
Beam 377	Beam2	21: FICT 3	0	0	359	164
Beam 378	Beam2	21: FICT 3	0	0	360	169

Beam 379	Beam2	21: FICT 3	0	0	361	162
Beam 380	Beam2	21: FICT 3	0	0	362	167
Beam 381	Beam2	21: FICT 3	0	0	363	178
Beam 382	Beam2	21: FICT 3	0	0	364	183
Beam 383	Beam2	21: FICT 3	0	0	365	179
Beam 384	Beam2	21: FICT 3	0	0	366	184
Beam 385	Beam2	21: FICT 3	0	0	367	177
Beam 386	Beam2	21: FICT 3	0	0	368	182
Beam 387	Beam2	21: FICT 3	0	0	369	193
Beam 388	Beam2	21: FICT 3	0	0	370	198
Beam 389	Beam2	21: FICT 3	0	0	371	194
Beam 390	Beam2	21: FICT 3	0	0	372	199
Beam 391	Beam2	21: FICT 3	0	0	373	192
Beam 392	Beam2	21: FICT 3	0	0	374	197
Beam 393	Beam2	2: PRINCIPALI - LAMELLARE	0	90	387	389
Beam 394	Beam2	2: PRINCIPALI - LAMELLARE	0	90	388	390
Beam 395	Beam2	2: PRINCIPALI - LAMELLARE	0	90	391	393
Beam 396	Beam2	2: PRINCIPALI - LAMELLARE	0	90	392	394
Beam 397	Beam2	2: PRINCIPALI - LAMELLARE	0	90	395	397
Beam 398	Beam2	2: PRINCIPALI - LAMELLARE	0	90	396	398
Beam 399	Beam2	2: PRINCIPALI - LAMELLARE	0	90	399	401
Beam 400	Beam2	2: PRINCIPALI - LAMELLARE	0	90	400	402
Beam 401	Beam2	2: PRINCIPALI - LAMELLARE	0	90	403	389
Beam 402	Beam2	2: PRINCIPALI - LAMELLARE	0	90	404	390
Beam 403	Beam2	2: PRINCIPALI - LAMELLARE	0	90	405	393
Beam 404	Beam2	2: PRINCIPALI - LAMELLARE	0	90	406	394
Beam 405	Beam2	2: PRINCIPALI - LAMELLARE	0	90	407	397
Beam 406	Beam2	2: PRINCIPALI - LAMELLARE	0	90	408	398
Beam 407	Beam2	2: PRINCIPALI - LAMELLARE	0	90	409	401
Beam 408	Beam2	2: PRINCIPALI - LAMELLARE	0	90	410	402
Beam 409	Beam2	2: PRINCIPALI - LAMELLARE	0	90	411	413
Beam 410	Beam2	2: PRINCIPALI - LAMELLARE	0	90	412	414
Beam 411	Beam2	2: PRINCIPALI - LAMELLARE	0	90	415	417
Beam 412	Beam2	2: PRINCIPALI - LAMELLARE	0	90	416	418
Beam 413	Beam2	2: PRINCIPALI - LAMELLARE	0	90	419	421
Beam 414	Beam2	2: PRINCIPALI - LAMELLARE	0	90	420	422
Beam 415	Beam2	2: PRINCIPALI - LAMELLARE	0	90	423	425
Beam 416	Beam2	2: PRINCIPALI - LAMELLARE	0	90	424	426
Beam 417	Beam2	2: PRINCIPALI - LAMELLARE	0	90	427	429
Beam 418	Beam2	2: PRINCIPALI - LAMELLARE	0	90	428	430
Beam 419	Beam2	2: PRINCIPALI - LAMELLARE	0	90	431	433
Beam 420	Beam2	2: PRINCIPALI - LAMELLARE	0	90	432	434
Beam 421	Beam2	2: PRINCIPALI - LAMELLARE	0	90	435	437
Beam 422	Beam2	2: PRINCIPALI - LAMELLARE	0	90	436	438
Beam 423	Beam2	2: PRINCIPALI - LAMELLARE	0	90	439	441
Beam 424	Beam2	2: PRINCIPALI - LAMELLARE	0	90	440	442
Beam 425	Beam2	2: PRINCIPALI - LAMELLARE	0	90	443	445
Beam 426	Beam2	2: PRINCIPALI - LAMELLARE	0	90	444	446
Beam 427	Beam2	2: PRINCIPALI - LAMELLARE	0	90	447	449
Beam 428	Beam2	2: PRINCIPALI - LAMELLARE	0	90	448	450

Beam 429	Beam2	2: PRINCIPALI - LAMELLARE	0	90	451	453
Beam 430	Beam2	2: PRINCIPALI - LAMELLARE	0	90	452	454
Beam 431	Beam2	2: PRINCIPALI - LAMELLARE	0	90	455	457
Beam 432	Beam2	2: PRINCIPALI - LAMELLARE	0	90	456	458
Beam 433	Beam2	2: PRINCIPALI - LAMELLARE	0	90	429	459
Beam 434	Beam2	2: PRINCIPALI - LAMELLARE	0	90	430	460
Beam 435	Beam2	2: PRINCIPALI - LAMELLARE	0	90	459	461
Beam 436	Beam2	2: PRINCIPALI - LAMELLARE	0	90	460	462
Beam 437	Beam2	2: PRINCIPALI - LAMELLARE	0	90	461	387
Beam 438	Beam2	2: PRINCIPALI - LAMELLARE	0	90	462	388
Beam 439	Beam2	2: PRINCIPALI - LAMELLARE	0	90	433	463
Beam 440	Beam2	2: PRINCIPALI - LAMELLARE	0	90	434	464
Beam 441	Beam2	2: PRINCIPALI - LAMELLARE	0	90	463	465
Beam 442	Beam2	2: PRINCIPALI - LAMELLARE	0	90	464	466
Beam 443	Beam2	2: PRINCIPALI - LAMELLARE	0	90	465	391
Beam 444	Beam2	2: PRINCIPALI - LAMELLARE	0	90	466	392
Beam 445	Beam2	2: PRINCIPALI - LAMELLARE	0	90	437	467
Beam 446	Beam2	2: PRINCIPALI - LAMELLARE	0	90	438	468
Beam 447	Beam2	2: PRINCIPALI - LAMELLARE	0	90	467	469
Beam 448	Beam2	2: PRINCIPALI - LAMELLARE	0	90	468	470
Beam 449	Beam2	2: PRINCIPALI - LAMELLARE	0	90	469	395
Beam 450	Beam2	2: PRINCIPALI - LAMELLARE	0	90	470	396
Beam 451	Beam2	2: PRINCIPALI - LAMELLARE	0	90	441	471
Beam 452	Beam2	2: PRINCIPALI - LAMELLARE	0	90	442	472
Beam 453	Beam2	2: PRINCIPALI - LAMELLARE	0	90	471	473
Beam 454	Beam2	2: PRINCIPALI - LAMELLARE	0	90	472	474
Beam 455	Beam2	2: PRINCIPALI - LAMELLARE	0	90	473	399
Beam 456	Beam2	2: PRINCIPALI - LAMELLARE	0	90	474	400
Beam 457	Beam2	2: PRINCIPALI - LAMELLARE	0	90	475	477
Beam 458	Beam2	2: PRINCIPALI - LAMELLARE	0	90	476	478
Beam 459	Beam2	2: PRINCIPALI - LAMELLARE	0	90	477	479
Beam 460	Beam2	2: PRINCIPALI - LAMELLARE	0	90	478	480
Beam 461	Beam2	2: PRINCIPALI - LAMELLARE	0	90	479	403
Beam 462	Beam2	2: PRINCIPALI - LAMELLARE	0	90	480	404
Beam 463	Beam2	2: PRINCIPALI - LAMELLARE	0	90	481	483
Beam 464	Beam2	2: PRINCIPALI - LAMELLARE	0	90	482	484
Beam 465	Beam2	2: PRINCIPALI - LAMELLARE	0	90	483	485
Beam 466	Beam2	2: PRINCIPALI - LAMELLARE	0	90	484	486
Beam 467	Beam2	2: PRINCIPALI - LAMELLARE	0	90	485	405
Beam 468	Beam2	2: PRINCIPALI - LAMELLARE	0	90	486	406
Beam 469	Beam2	2: PRINCIPALI - LAMELLARE	0	90	487	489
Beam 470	Beam2	2: PRINCIPALI - LAMELLARE	0	90	488	490
Beam 471	Beam2	2: PRINCIPALI - LAMELLARE	0	90	489	491
Beam 472	Beam2	2: PRINCIPALI - LAMELLARE	0	90	490	492
Beam 473	Beam2	2: PRINCIPALI - LAMELLARE	0	90	491	407
Beam 474	Beam2	2: PRINCIPALI - LAMELLARE	0	90	492	408
Beam 475	Beam2	2: PRINCIPALI - LAMELLARE	0	90	493	495
Beam 476	Beam2	2: PRINCIPALI - LAMELLARE	0	90	494	496
Beam 477	Beam2	2: PRINCIPALI - LAMELLARE	0	90	495	497
Beam 478	Beam2	2: PRINCIPALI - LAMELLARE	0	90	496	498

Beam 479	Beam2	2: PRINCIPALI - LAMELLARE	0	90	497	409
Beam 480	Beam2	2: PRINCIPALI - LAMELLARE	0	90	498	410
Beam 481	Beam2	2: PRINCIPALI - LAMELLARE	0	90	445	499
Beam 482	Beam2	2: PRINCIPALI - LAMELLARE	0	90	446	500
Beam 483	Beam2	2: PRINCIPALI - LAMELLARE	0	90	499	501
Beam 484	Beam2	2: PRINCIPALI - LAMELLARE	0	90	500	502
Beam 485	Beam2	2: PRINCIPALI - LAMELLARE	0	90	501	411
Beam 486	Beam2	2: PRINCIPALI - LAMELLARE	0	90	502	412
Beam 487	Beam2	2: PRINCIPALI - LAMELLARE	0	90	449	503
Beam 488	Beam2	2: PRINCIPALI - LAMELLARE	0	90	450	504
Beam 489	Beam2	2: PRINCIPALI - LAMELLARE	0	90	503	505
Beam 490	Beam2	2: PRINCIPALI - LAMELLARE	0	90	504	506
Beam 491	Beam2	2: PRINCIPALI - LAMELLARE	0	90	505	415
Beam 492	Beam2	2: PRINCIPALI - LAMELLARE	0	90	506	416
Beam 493	Beam2	2: PRINCIPALI - LAMELLARE	0	90	453	507
Beam 494	Beam2	2: PRINCIPALI - LAMELLARE	0	90	454	508
Beam 495	Beam2	2: PRINCIPALI - LAMELLARE	0	90	507	509
Beam 496	Beam2	2: PRINCIPALI - LAMELLARE	0	90	508	510
Beam 497	Beam2	2: PRINCIPALI - LAMELLARE	0	90	509	419
Beam 498	Beam2	2: PRINCIPALI - LAMELLARE	0	90	510	420
Beam 499	Beam2	2: PRINCIPALI - LAMELLARE	0	90	457	511
Beam 500	Beam2	2: PRINCIPALI - LAMELLARE	0	90	458	512
Beam 501	Beam2	2: PRINCIPALI - LAMELLARE	0	90	511	513
Beam 502	Beam2	2: PRINCIPALI - LAMELLARE	0	90	512	514
Beam 503	Beam2	2: PRINCIPALI - LAMELLARE	0	90	513	423
Beam 504	Beam2	2: PRINCIPALI - LAMELLARE	0	90	514	424
Beam 505	Beam2	2: PRINCIPALI - LAMELLARE	0	90	413	515
Beam 506	Beam2	2: PRINCIPALI - LAMELLARE	0	90	414	516
Beam 507	Beam2	2: PRINCIPALI - LAMELLARE	0	90	515	517
Beam 508	Beam2	2: PRINCIPALI - LAMELLARE	0	90	516	518
Beam 509	Beam2	2: PRINCIPALI - LAMELLARE	0	90	517	427
Beam 510	Beam2	2: PRINCIPALI - LAMELLARE	0	90	518	428
Beam 511	Beam2	2: PRINCIPALI - LAMELLARE	0	90	417	519
Beam 512	Beam2	2: PRINCIPALI - LAMELLARE	0	90	418	520
Beam 513	Beam2	2: PRINCIPALI - LAMELLARE	0	90	519	521
Beam 514	Beam2	2: PRINCIPALI - LAMELLARE	0	90	520	522
Beam 515	Beam2	2: PRINCIPALI - LAMELLARE	0	90	521	431
Beam 516	Beam2	2: PRINCIPALI - LAMELLARE	0	90	522	432
Beam 517	Beam2	2: PRINCIPALI - LAMELLARE	0	90	421	523
Beam 518	Beam2	2: PRINCIPALI - LAMELLARE	0	90	422	524
Beam 519	Beam2	2: PRINCIPALI - LAMELLARE	0	90	523	525
Beam 520	Beam2	2: PRINCIPALI - LAMELLARE	0	90	524	526
Beam 521	Beam2	2: PRINCIPALI - LAMELLARE	0	90	525	435
Beam 522	Beam2	2: PRINCIPALI - LAMELLARE	0	90	526	436
Beam 523	Beam2	2: PRINCIPALI - LAMELLARE	0	90	425	527
Beam 524	Beam2	2: PRINCIPALI - LAMELLARE	0	90	426	528
Beam 525	Beam2	2: PRINCIPALI - LAMELLARE	0	90	527	529
Beam 526	Beam2	2: PRINCIPALI - LAMELLARE	0	90	528	530
Beam 527	Beam2	2: PRINCIPALI - LAMELLARE	0	90	529	439
Beam 528	Beam2	2: PRINCIPALI - LAMELLARE	0	90	530	440

Beam 529	Beam2	2: PRINCIPALI - LAMELLARE	0	90	379	531
Beam 530	Beam2	2: PRINCIPALI - LAMELLARE	0	90	380	532
Beam 531	Beam2	2: PRINCIPALI - LAMELLARE	0	90	531	533
Beam 532	Beam2	2: PRINCIPALI - LAMELLARE	0	90	532	534
Beam 533	Beam2	2: PRINCIPALI - LAMELLARE	0	90	533	443
Beam 534	Beam2	2: PRINCIPALI - LAMELLARE	0	90	534	444
Beam 535	Beam2	2: PRINCIPALI - LAMELLARE	0	90	381	535
Beam 536	Beam2	2: PRINCIPALI - LAMELLARE	0	90	382	536
Beam 537	Beam2	2: PRINCIPALI - LAMELLARE	0	90	535	537
Beam 538	Beam2	2: PRINCIPALI - LAMELLARE	0	90	536	538
Beam 539	Beam2	2: PRINCIPALI - LAMELLARE	0	90	537	447
Beam 540	Beam2	2: PRINCIPALI - LAMELLARE	0	90	538	448
Beam 541	Beam2	2: PRINCIPALI - LAMELLARE	0	90	383	539
Beam 542	Beam2	2: PRINCIPALI - LAMELLARE	0	90	384	540
Beam 543	Beam2	2: PRINCIPALI - LAMELLARE	0	90	539	541
Beam 544	Beam2	2: PRINCIPALI - LAMELLARE	0	90	540	542
Beam 545	Beam2	2: PRINCIPALI - LAMELLARE	0	90	541	451
Beam 546	Beam2	2: PRINCIPALI - LAMELLARE	0	90	542	452
Beam 547	Beam2	2: PRINCIPALI - LAMELLARE	0	90	385	543
Beam 548	Beam2	2: PRINCIPALI - LAMELLARE	0	90	386	544
Beam 549	Beam2	2: PRINCIPALI - LAMELLARE	0	90	543	545
Beam 550	Beam2	2: PRINCIPALI - LAMELLARE	0	90	544	546
Beam 551	Beam2	2: PRINCIPALI - LAMELLARE	0	90	545	455
Beam 552	Beam2	2: PRINCIPALI - LAMELLARE	0	90	546	456
Beam 553	Beam2	3: PRINCIPALI - ACCIAIO	0	90	715	717
Beam 554	Beam2	3: PRINCIPALI - ACCIAIO	0	90	716	718
Beam 555	Beam2	3: PRINCIPALI - ACCIAIO	0	90	719	721
Beam 556	Beam2	3: PRINCIPALI - ACCIAIO	0	90	720	722
Beam 557	Beam2	4: FICT 1	0	0	379	700
Beam 558	Beam2	4: FICT 1	0	0	380	701
Beam 559	Beam2	4: FICT 1	0	0	381	702
Beam 560	Beam2	4: FICT 1	0	0	382	703
Beam 561	Beam2	4: FICT 1	0	0	383	704
Beam 562	Beam2	4: FICT 1	0	0	384	705
Beam 563	Beam2	4: FICT 1	0	0	385	699
Beam 564	Beam2	4: FICT 1	0	0	386	706
Beam 565	Beam2	4: FICT 1	0	0	387	596
Beam 566	Beam2	4: FICT 1	0	0	388	597
Beam 567	Beam2	4: FICT 1	0	0	389	708
Beam 568	Beam2	4: FICT 1	0	0	390	709
Beam 569	Beam2	4: FICT 1	0	0	391	598
Beam 570	Beam2	4: FICT 1	0	0	392	599
Beam 571	Beam2	4: FICT 1	0	0	393	710
Beam 572	Beam2	4: FICT 1	0	0	394	711
Beam 573	Beam2	4: FICT 1	0	0	395	600
Beam 574	Beam2	4: FICT 1	0	0	396	601
Beam 575	Beam2	4: FICT 1	0	0	397	712
Beam 576	Beam2	4: FICT 1	0	0	398	713
Beam 577	Beam2	4: FICT 1	0	0	399	595
Beam 578	Beam2	4: FICT 1	0	0	400	602

Beam 579	Beam2	4: FICT 1	0	0	401	707
Beam 580	Beam2	4: FICT 1	0	0	402	714
Beam 581	Beam2	4: FICT 1	0	0	403	620
Beam 582	Beam2	4: FICT 1	0	0	404	621
Beam 583	Beam2	4: FICT 1	0	0	405	622
Beam 584	Beam2	4: FICT 1	0	0	406	623
Beam 585	Beam2	4: FICT 1	0	0	407	624
Beam 586	Beam2	4: FICT 1	0	0	408	625
Beam 587	Beam2	4: FICT 1	0	0	409	619
Beam 588	Beam2	4: FICT 1	0	0	410	626
Beam 589	Beam2	4: FICT 1	0	0	411	644
Beam 590	Beam2	4: FICT 1	0	0	412	645
Beam 591	Beam2	4: FICT 1	0	0	413	556
Beam 592	Beam2	4: FICT 1	0	0	414	557
Beam 593	Beam2	4: FICT 1	0	0	415	646
Beam 594	Beam2	4: FICT 1	0	0	416	647
Beam 595	Beam2	4: FICT 1	0	0	417	558
Beam 596	Beam2	4: FICT 1	0	0	418	559
Beam 597	Beam2	4: FICT 1	0	0	419	648
Beam 598	Beam2	4: FICT 1	0	0	420	649
Beam 599	Beam2	4: FICT 1	0	0	421	560
Beam 600	Beam2	4: FICT 1	0	0	422	561
Beam 601	Beam2	4: FICT 1	0	0	423	643
Beam 602	Beam2	4: FICT 1	0	0	424	650
Beam 603	Beam2	4: FICT 1	0	0	425	555
Beam 604	Beam2	4: FICT 1	0	0	426	562
Beam 605	Beam2	4: FICT 1	0	0	427	668
Beam 606	Beam2	4: FICT 1	0	0	428	669
Beam 607	Beam2	4: FICT 1	0	0	429	564
Beam 608	Beam2	4: FICT 1	0	0	430	565
Beam 609	Beam2	4: FICT 1	0	0	431	670
Beam 610	Beam2	4: FICT 1	0	0	432	671
Beam 611	Beam2	4: FICT 1	0	0	433	566
Beam 612	Beam2	4: FICT 1	0	0	434	567
Beam 613	Beam2	4: FICT 1	0	0	435	672
Beam 614	Beam2	4: FICT 1	0	0	436	673
Beam 615	Beam2	4: FICT 1	0	0	437	568
Beam 616	Beam2	4: FICT 1	0	0	438	569
Beam 617	Beam2	4: FICT 1	0	0	439	667
Beam 618	Beam2	4: FICT 1	0	0	440	674
Beam 619	Beam2	4: FICT 1	0	0	441	563
Beam 620	Beam2	4: FICT 1	0	0	442	570
Beam 621	Beam2	4: FICT 1	0	0	443	692
Beam 622	Beam2	4: FICT 1	0	0	444	693
Beam 623	Beam2	4: FICT 1	0	0	445	572
Beam 624	Beam2	4: FICT 1	0	0	446	573
Beam 625	Beam2	4: FICT 1	0	0	447	694
Beam 626	Beam2	4: FICT 1	0	0	448	695
Beam 627	Beam2	4: FICT 1	0	0	449	574
Beam 628	Beam2	4: FICT 1	0	0	450	575

Beam 629	Beam2	4: FICT 1	0	0	451	696
Beam 630	Beam2	4: FICT 1	0	0	452	697
Beam 631	Beam2	4: FICT 1	0	0	453	576
Beam 632	Beam2	4: FICT 1	0	0	454	577
Beam 633	Beam2	4: FICT 1	0	0	455	691
Beam 634	Beam2	4: FICT 1	0	0	456	698
Beam 635	Beam2	4: FICT 1	0	0	457	571
Beam 636	Beam2	4: FICT 1	0	0	458	578
Beam 637	Beam2	4: FICT 1	0	0	459	580
Beam 638	Beam2	4: FICT 1	0	0	460	581
Beam 639	Beam2	4: FICT 1	0	0	461	588
Beam 640	Beam2	4: FICT 1	0	0	462	589
Beam 641	Beam2	4: FICT 1	0	0	463	582
Beam 642	Beam2	4: FICT 1	0	0	464	583
Beam 643	Beam2	4: FICT 1	0	0	465	590
Beam 644	Beam2	4: FICT 1	0	0	466	591
Beam 645	Beam2	4: FICT 1	0	0	467	584
Beam 646	Beam2	4: FICT 1	0	0	468	585
Beam 647	Beam2	4: FICT 1	0	0	469	592
Beam 648	Beam2	4: FICT 1	0	0	470	593
Beam 649	Beam2	4: FICT 1	0	0	471	579
Beam 650	Beam2	4: FICT 1	0	0	472	586
Beam 651	Beam2	4: FICT 1	0	0	473	587
Beam 652	Beam2	4: FICT 1	0	0	474	594
Beam 653	Beam2	4: FICT 1	0	0	475	548
Beam 654	Beam2	4: FICT 1	0	0	476	549
Beam 655	Beam2	4: FICT 1	0	0	477	604
Beam 656	Beam2	4: FICT 1	0	0	478	605
Beam 657	Beam2	4: FICT 1	0	0	479	612
Beam 658	Beam2	4: FICT 1	0	0	480	613
Beam 659	Beam2	4: FICT 1	0	0	481	550
Beam 660	Beam2	4: FICT 1	0	0	482	551
Beam 661	Beam2	4: FICT 1	0	0	483	606
Beam 662	Beam2	4: FICT 1	0	0	484	607
Beam 663	Beam2	4: FICT 1	0	0	485	614
Beam 664	Beam2	4: FICT 1	0	0	486	615
Beam 665	Beam2	4: FICT 1	0	0	487	552
Beam 666	Beam2	4: FICT 1	0	0	488	553
Beam 667	Beam2	4: FICT 1	0	0	489	608
Beam 668	Beam2	4: FICT 1	0	0	490	609
Beam 669	Beam2	4: FICT 1	0	0	491	616
Beam 670	Beam2	4: FICT 1	0	0	492	617
Beam 671	Beam2	4: FICT 1	0	0	493	547
Beam 672	Beam2	4: FICT 1	0	0	494	554
Beam 673	Beam2	4: FICT 1	0	0	495	603
Beam 674	Beam2	4: FICT 1	0	0	496	610
Beam 675	Beam2	4: FICT 1	0	0	497	611
Beam 676	Beam2	4: FICT 1	0	0	498	618
Beam 677	Beam2	4: FICT 1	0	0	499	628
Beam 678	Beam2	4: FICT 1	0	0	500	629

Beam 679	Beam2	4: FICT 1	0	0	501	636
Beam 680	Beam2	4: FICT 1	0	0	502	637
Beam 681	Beam2	4: FICT 1	0	0	503	630
Beam 682	Beam2	4: FICT 1	0	0	504	631
Beam 683	Beam2	4: FICT 1	0	0	505	638
Beam 684	Beam2	4: FICT 1	0	0	506	639
Beam 685	Beam2	4: FICT 1	0	0	507	632
Beam 686	Beam2	4: FICT 1	0	0	508	633
Beam 687	Beam2	4: FICT 1	0	0	509	640
Beam 688	Beam2	4: FICT 1	0	0	510	641
Beam 689	Beam2	4: FICT 1	0	0	511	627
Beam 690	Beam2	4: FICT 1	0	0	512	634
Beam 691	Beam2	4: FICT 1	0	0	513	635
Beam 692	Beam2	4: FICT 1	0	0	514	642
Beam 693	Beam2	4: FICT 1	0	0	515	652
Beam 694	Beam2	4: FICT 1	0	0	516	653
Beam 695	Beam2	4: FICT 1	0	0	517	660
Beam 696	Beam2	4: FICT 1	0	0	518	661
Beam 697	Beam2	4: FICT 1	0	0	519	654
Beam 698	Beam2	4: FICT 1	0	0	520	655
Beam 699	Beam2	4: FICT 1	0	0	521	662
Beam 700	Beam2	4: FICT 1	0	0	522	663
Beam 701	Beam2	4: FICT 1	0	0	523	656
Beam 702	Beam2	4: FICT 1	0	0	524	657
Beam 703	Beam2	4: FICT 1	0	0	525	664
Beam 704	Beam2	4: FICT 1	0	0	526	665
Beam 705	Beam2	4: FICT 1	0	0	527	651
Beam 706	Beam2	4: FICT 1	0	0	528	658
Beam 707	Beam2	4: FICT 1	0	0	529	659
Beam 708	Beam2	4: FICT 1	0	0	530	666
Beam 709	Beam2	4: FICT 1	0	0	531	676
Beam 710	Beam2	4: FICT 1	0	0	532	677
Beam 711	Beam2	4: FICT 1	0	0	533	684
Beam 712	Beam2	4: FICT 1	0	0	534	685
Beam 713	Beam2	4: FICT 1	0	0	535	678
Beam 714	Beam2	4: FICT 1	0	0	536	679
Beam 715	Beam2	4: FICT 1	0	0	537	686
Beam 716	Beam2	4: FICT 1	0	0	538	687
Beam 717	Beam2	4: FICT 1	0	0	539	680
Beam 718	Beam2	4: FICT 1	0	0	540	681
Beam 719	Beam2	4: FICT 1	0	0	541	688
Beam 720	Beam2	4: FICT 1	0	0	542	689
Beam 721	Beam2	4: FICT 1	0	0	543	675
Beam 722	Beam2	4: FICT 1	0	0	544	682
Beam 723	Beam2	4: FICT 1	0	0	545	683
Beam 724	Beam2	4: FICT 1	0	0	546	690
Beam 725	Beam2	6: FICT 2	0	0	723	725
Beam 726	Beam2	6: FICT 2	0	0	724	726
Beam 727	Beam2	6: FICT 2	0	0	727	729
Beam 728	Beam2	6: FICT 2	0	0	728	730

Beam 729	Beam2	6: FICT 2	0	0	723	731
Beam 730	Beam2	6: FICT 2	0	0	724	732
Beam 731	Beam2	6: FICT 2	0	0	727	733
Beam 732	Beam2	6: FICT 2	0	0	728	734
Beam 733	Beam2	4: FICT 1	0	0	379	735
Beam 734	Beam2	4: FICT 1	0	0	380	736
Beam 735	Beam2	4: FICT 1	0	0	381	737
Beam 736	Beam2	4: FICT 1	0	0	382	738
Beam 737	Beam2	4: FICT 1	0	0	383	739
Beam 738	Beam2	4: FICT 1	0	0	384	740
Beam 739	Beam2	4: FICT 1	0	0	385	731
Beam 740	Beam2	4: FICT 1	0	0	386	732
Beam 741	Beam2	4: FICT 1	0	0	389	741
Beam 742	Beam2	4: FICT 1	0	0	390	742
Beam 743	Beam2	4: FICT 1	0	0	393	743
Beam 744	Beam2	4: FICT 1	0	0	394	744
Beam 745	Beam2	4: FICT 1	0	0	397	745
Beam 746	Beam2	4: FICT 1	0	0	398	746
Beam 747	Beam2	4: FICT 1	0	0	401	733
Beam 748	Beam2	4: FICT 1	0	0	402	734
Beam 749	Beam2	6: FICT 2	0	0	747	739
Beam 750	Beam2	6: FICT 2	0	0	748	740
Beam 751	Beam2	6: FICT 2	0	0	749	737
Beam 752	Beam2	6: FICT 2	0	0	750	738
Beam 753	Beam2	6: FICT 2	0	0	717	735
Beam 754	Beam2	6: FICT 2	0	0	718	736
Beam 755	Beam2	6: FICT 2	0	0	751	745
Beam 756	Beam2	6: FICT 2	0	0	752	746
Beam 757	Beam2	6: FICT 2	0	0	753	743
Beam 758	Beam2	6: FICT 2	0	0	754	744
Beam 759	Beam2	6: FICT 2	0	0	721	741
Beam 760	Beam2	6: FICT 2	0	0	722	742
Beam 761	Beam2	27: travi principali rinforzate	0	90	755	723
Beam 762	Beam2	3: PRINCIPALI - ACCIAIO	0	90	756	724
Beam 763	Beam2	3: PRINCIPALI - ACCIAIO	0	90	757	747
Beam 764	Beam2	3: PRINCIPALI - ACCIAIO	0	90	758	748
Beam 765	Beam2	3: PRINCIPALI - ACCIAIO	0	90	759	749
Beam 766	Beam2	3: PRINCIPALI - ACCIAIO	0	90	760	750
Beam 767	Beam2	27: travi principali rinforzate	0	90	761	727
Beam 768	Beam2	3: PRINCIPALI - ACCIAIO	0	90	762	728
Beam 769	Beam2	3: PRINCIPALI - ACCIAIO	0	90	763	751
Beam 770	Beam2	3: PRINCIPALI - ACCIAIO	0	90	764	752
Beam 771	Beam2	3: PRINCIPALI - ACCIAIO	0	90	765	753
Beam 772	Beam2	3: PRINCIPALI - ACCIAIO	0	90	766	754
Beam 773	Beam2	8: CONTROVENTI	0	0	207	572
Beam 774	Beam2	8: CONTROVENTI	0	0	699	573
Beam 775	Beam2	8: CONTROVENTI	0	0	572	117
Beam 776	Beam2	8: CONTROVENTI	0	0	573	555
Beam 777	Beam2	8: CONTROVENTI	0	0	117	564
Beam 778	Beam2	8: CONTROVENTI	0	0	555	565

Beam 779	Beam2	8: CONTROVENTI	0	0	564	212
Beam 780	Beam2	8: CONTROVENTI	0	0	565	707
Beam 781	Beam2	8: CONTROVENTI	0	0	212	548
Beam 782	Beam2	8: CONTROVENTI	0	0	707	549
Beam 783	Beam2	8: CONTROVENTI	0	0	553	714
Beam 784	Beam2	8: CONTROVENTI	0	0	714	569
Beam 785	Beam2	8: CONTROVENTI	0	0	569	562
Beam 786	Beam2	8: CONTROVENTI	0	0	562	577
Beam 787	Beam2	8: CONTROVENTI	0	0	577	706
Beam 820	Beam2	27: travi principali rinforzate	0	90	217	715
Beam 821	Beam2	27: travi principali rinforzate	0	90	723	716
Beam 822	Beam2	27: travi principali rinforzate	0	90	220	719
Beam 823	Beam2	27: travi principali rinforzate	0	90	727	720
Beam 824	Beam2	3: PRINCIPALI - ACCIAIO	0	90	747	755
Beam 825	Beam2	3: PRINCIPALI - ACCIAIO	0	90	748	756
Beam 826	Beam2	3: PRINCIPALI - ACCIAIO	0	90	749	757
Beam 827	Beam2	3: PRINCIPALI - ACCIAIO	0	90	750	758
Beam 828	Beam2	3: PRINCIPALI - ACCIAIO	0	90	717	759
Beam 829	Beam2	3: PRINCIPALI - ACCIAIO	0	90	718	760
Beam 830	Beam2	3: PRINCIPALI - ACCIAIO	0	90	751	761
Beam 831	Beam2	3: PRINCIPALI - ACCIAIO	0	90	752	762
Beam 832	Beam2	3: PRINCIPALI - ACCIAIO	0	90	753	763
Beam 833	Beam2	3: PRINCIPALI - ACCIAIO	0	90	754	764
Beam 834	Beam2	3: PRINCIPALI - ACCIAIO	0	90	721	765
Beam 835	Beam2	3: PRINCIPALI - ACCIAIO	0	90	722	766
Beam 867	Beam2	21: FICT 3	0	0	784	700
Beam 868	Beam2	21: FICT 3	0	0	783	699
Beam 869	Beam2	21: FICT 3	0	0	785	701
Beam 870	Beam2	21: FICT 3	0	0	817	706
Beam 871	Beam2	21: FICT 3	0	0	813	702
Beam 872	Beam2	21: FICT 3	0	0	814	703
Beam 873	Beam2	21: FICT 3	0	0	815	704
Beam 874	Beam2	21: FICT 3	0	0	816	705
Beam 875	Beam2	2: PRINCIPALI - LAMELLARE	0	90	967	968
Beam 876	Beam2	2: PRINCIPALI - LAMELLARE	0	90	969	970
Beam 877	Beam2	2: PRINCIPALI - LAMELLARE	0	90	968	971
Beam 878	Beam2	2: PRINCIPALI - LAMELLARE	0	90	970	972
Beam 879	Beam2	2: PRINCIPALI - LAMELLARE	0	90	971	379
Beam 880	Beam2	2: PRINCIPALI - LAMELLARE	0	90	972	380
Beam 881	Beam2	2: PRINCIPALI - LAMELLARE	0	90	973	974
Beam 882	Beam2	2: PRINCIPALI - LAMELLARE	0	90	975	976
Beam 883	Beam2	2: PRINCIPALI - LAMELLARE	0	90	974	977
Beam 884	Beam2	2: PRINCIPALI - LAMELLARE	0	90	976	978
Beam 885	Beam2	2: PRINCIPALI - LAMELLARE	0	90	977	381
Beam 886	Beam2	2: PRINCIPALI - LAMELLARE	0	90	978	382
Beam 887	Beam2	2: PRINCIPALI - LAMELLARE	0	90	979	980
Beam 888	Beam2	2: PRINCIPALI - LAMELLARE	0	90	981	982
Beam 889	Beam2	2: PRINCIPALI - LAMELLARE	0	90	980	983
Beam 890	Beam2	2: PRINCIPALI - LAMELLARE	0	90	982	984
Beam 891	Beam2	2: PRINCIPALI - LAMELLARE	0	90	983	383

Beam 892	Beam2	2: PRINCIPALI - LAMELLARE	0	90	984	384
Beam 893	Beam2	2: PRINCIPALI - LAMELLARE	0	90	985	986
Beam 894	Beam2	2: PRINCIPALI - LAMELLARE	0	90	987	988
Beam 895	Beam2	2: PRINCIPALI - LAMELLARE	0	90	986	989
Beam 896	Beam2	2: PRINCIPALI - LAMELLARE	0	90	988	990
Beam 897	Beam2	2: PRINCIPALI - LAMELLARE	0	90	989	385
Beam 898	Beam2	2: PRINCIPALI - LAMELLARE	0	90	990	386
Beam 899	Beam2	4: FICT 1	0	0	967	1007
Beam 900	Beam2	4: FICT 1	0	0	969	1009
Beam 901	Beam2	4: FICT 1	0	0	973	1011
Beam 902	Beam2	4: FICT 1	0	0	975	1012
Beam 903	Beam2	4: FICT 1	0	0	979	1013
Beam 904	Beam2	4: FICT 1	0	0	981	1014
Beam 905	Beam2	4: FICT 1	0	0	985	1008
Beam 906	Beam2	4: FICT 1	0	0	987	1010
Beam 907	Beam2	4: FICT 1	0	0	968	991
Beam 908	Beam2	4: FICT 1	0	0	970	993
Beam 909	Beam2	4: FICT 1	0	0	971	999
Beam 910	Beam2	4: FICT 1	0	0	972	1001
Beam 911	Beam2	4: FICT 1	0	0	974	995
Beam 912	Beam2	4: FICT 1	0	0	976	996
Beam 913	Beam2	4: FICT 1	0	0	977	1003
Beam 914	Beam2	4: FICT 1	0	0	978	1004
Beam 915	Beam2	4: FICT 1	0	0	980	997
Beam 916	Beam2	4: FICT 1	0	0	982	998
Beam 917	Beam2	4: FICT 1	0	0	983	1005
Beam 918	Beam2	4: FICT 1	0	0	984	1006
Beam 919	Beam2	4: FICT 1	0	0	986	992
Beam 920	Beam2	4: FICT 1	0	0	988	994
Beam 921	Beam2	4: FICT 1	0	0	989	1000
Beam 922	Beam2	4: FICT 1	0	0	990	1002
Beam 923	Beam2	21: FICT 3	0	0	1029	999
Beam 924	Beam2	21: FICT 3	0	0	1017	1000
Beam 925	Beam2	21: FICT 3	0	0	1030	1001
Beam 926	Beam2	21: FICT 3	0	0	1018	1002
Beam 927	Beam2	21: FICT 3	0	0	1033	1003
Beam 928	Beam2	21: FICT 3	0	0	1021	1004
Beam 929	Beam2	21: FICT 3	0	0	1022	1005
Beam 930	Beam2	21: FICT 3	0	0	1038	1006
Beam 931	Beam2	21: FICT 3	0	0	1015	991
Beam 932	Beam2	21: FICT 3	0	0	1025	992
Beam 933	Beam2	21: FICT 3	0	0	1016	993
Beam 934	Beam2	21: FICT 3	0	0	1028	994
Beam 935	Beam2	21: FICT 3	0	0	1019	995
Beam 936	Beam2	21: FICT 3	0	0	1020	996
Beam 937	Beam2	21: FICT 3	0	0	1034	997
Beam 938	Beam2	21: FICT 3	0	0	1036	998
Beam 939	Beam2	21: FICT 3	0	0	1023	1007
Beam 940	Beam2	21: FICT 3	0	0	1024	1008
Beam 941	Beam2	21: FICT 3	0	0	1026	1009

Beam 942	Beam2	21: FICT 3	0	0	1027	1010
Beam 943	Beam2	21: FICT 3	0	0	1031	1011
Beam 944	Beam2	21: FICT 3	0	0	1032	1012
Beam 945	Beam2	21: FICT 3	0	0	1035	1013
Beam 946	Beam2	21: FICT 3	0	0	1037	1014
Beam 947	Beam2	21: FICT 3	0	0	788	708
Beam 948	Beam2	21: FICT 3	0	0	818	710
Beam 949	Beam2	21: FICT 3	0	0	822	712
Beam 950	Beam2	21: FICT 3	0	0	787	707
Beam 951	Beam2	21: FICT 3	0	0	789	709
Beam 952	Beam2	21: FICT 3	0	0	819	711
Beam 953	Beam2	21: FICT 3	0	0	823	713
Beam 954	Beam2	21: FICT 3	0	0	826	714
Beam 955	Beam2	21: FICT 3	0	0	790	596
Beam 956	Beam2	21: FICT 3	0	0	820	598
Beam 957	Beam2	21: FICT 3	0	0	824	600
Beam 958	Beam2	21: FICT 3	0	0	786	595
Beam 959	Beam2	21: FICT 3	0	0	791	597
Beam 960	Beam2	21: FICT 3	0	0	821	599
Beam 961	Beam2	21: FICT 3	0	0	825	601
Beam 962	Beam2	21: FICT 3	0	0	827	602
Beam 963	Beam2	21: FICT 3	0	0	793	620
Beam 964	Beam2	21: FICT 3	0	0	828	622
Beam 965	Beam2	21: FICT 3	0	0	830	624
Beam 966	Beam2	21: FICT 3	0	0	792	619
Beam 967	Beam2	21: FICT 3	0	0	794	621
Beam 968	Beam2	21: FICT 3	0	0	829	623
Beam 969	Beam2	21: FICT 3	0	0	831	625
Beam 970	Beam2	21: FICT 3	0	0	832	626
Beam 971	Beam2	21: FICT 3	0	0	797	556
Beam 972	Beam2	21: FICT 3	0	0	833	558
Beam 973	Beam2	21: FICT 3	0	0	837	560
Beam 974	Beam2	21: FICT 3	0	0	796	555
Beam 975	Beam2	21: FICT 3	0	0	798	557
Beam 976	Beam2	21: FICT 3	0	0	834	559
Beam 977	Beam2	21: FICT 3	0	0	838	561
Beam 978	Beam2	21: FICT 3	0	0	841	562
Beam 979	Beam2	21: FICT 3	0	0	799	644
Beam 980	Beam2	21: FICT 3	0	0	835	646
Beam 981	Beam2	21: FICT 3	0	0	839	648
Beam 982	Beam2	21: FICT 3	0	0	795	643
Beam 983	Beam2	21: FICT 3	0	0	800	645
Beam 984	Beam2	21: FICT 3	0	0	836	647
Beam 985	Beam2	21: FICT 3	0	0	840	649
Beam 986	Beam2	21: FICT 3	0	0	842	650
Beam 987	Beam2	21: FICT 3	0	0	803	564
Beam 988	Beam2	21: FICT 3	0	0	843	566
Beam 989	Beam2	21: FICT 3	0	0	847	568
Beam 990	Beam2	21: FICT 3	0	0	802	563
Beam 991	Beam2	21: FICT 3	0	0	804	565

Beam 992	Beam2	21: FICT 3	0	0	844	567
Beam 993	Beam2	21: FICT 3	0	0	848	569
Beam 994	Beam2	21: FICT 3	0	0	851	570
Beam 995	Beam2	21: FICT 3	0	0	805	668
Beam 996	Beam2	21: FICT 3	0	0	845	670
Beam 997	Beam2	21: FICT 3	0	0	849	672
Beam 998	Beam2	21: FICT 3	0	0	801	667
Beam 999	Beam2	21: FICT 3	0	0	806	669
Beam 1000	Beam2	21: FICT 3	0	0	846	671
Beam 1001	Beam2	21: FICT 3	0	0	850	673
Beam 1002	Beam2	21: FICT 3	0	0	852	674
Beam 1003	Beam2	21: FICT 3	0	0	809	572
Beam 1004	Beam2	21: FICT 3	0	0	853	574
Beam 1005	Beam2	21: FICT 3	0	0	857	576
Beam 1006	Beam2	21: FICT 3	0	0	808	571
Beam 1007	Beam2	21: FICT 3	0	0	810	573
Beam 1008	Beam2	21: FICT 3	0	0	854	575
Beam 1009	Beam2	21: FICT 3	0	0	858	577
Beam 1010	Beam2	21: FICT 3	0	0	861	578
Beam 1011	Beam2	21: FICT 3	0	0	811	692
Beam 1012	Beam2	21: FICT 3	0	0	855	694
Beam 1013	Beam2	21: FICT 3	0	0	859	696
Beam 1014	Beam2	21: FICT 3	0	0	807	691
Beam 1015	Beam2	21: FICT 3	0	0	812	693
Beam 1016	Beam2	21: FICT 3	0	0	856	695
Beam 1017	Beam2	21: FICT 3	0	0	860	697
Beam 1018	Beam2	21: FICT 3	0	0	862	698
Beam 1019	Beam2	21: FICT 3	0	0	864	580
Beam 1020	Beam2	21: FICT 3	0	0	896	582
Beam 1021	Beam2	21: FICT 3	0	0	900	584
Beam 1022	Beam2	21: FICT 3	0	0	863	579
Beam 1023	Beam2	21: FICT 3	0	0	865	581
Beam 1024	Beam2	21: FICT 3	0	0	897	583
Beam 1025	Beam2	21: FICT 3	0	0	901	585
Beam 1026	Beam2	21: FICT 3	0	0	904	586
Beam 1027	Beam2	21: FICT 3	0	0	867	588
Beam 1028	Beam2	21: FICT 3	0	0	898	590
Beam 1029	Beam2	21: FICT 3	0	0	902	592
Beam 1030	Beam2	21: FICT 3	0	0	866	587
Beam 1031	Beam2	21: FICT 3	0	0	868	589
Beam 1032	Beam2	21: FICT 3	0	0	899	591
Beam 1033	Beam2	21: FICT 3	0	0	903	593
Beam 1034	Beam2	21: FICT 3	0	0	905	594
Beam 1035	Beam2	21: FICT 3	0	0	871	548
Beam 1036	Beam2	21: FICT 3	0	0	906	550
Beam 1037	Beam2	21: FICT 3	0	0	912	552
Beam 1038	Beam2	21: FICT 3	0	0	870	547
Beam 1039	Beam2	21: FICT 3	0	0	872	549
Beam 1040	Beam2	21: FICT 3	0	0	907	551
Beam 1041	Beam2	21: FICT 3	0	0	913	553

Beam 1042	Beam2	21: FICT 3	0	0	918	554
Beam 1043	Beam2	21: FICT 3	0	0	873	604
Beam 1044	Beam2	21: FICT 3	0	0	908	606
Beam 1045	Beam2	21: FICT 3	0	0	914	608
Beam 1046	Beam2	21: FICT 3	0	0	869	603
Beam 1047	Beam2	21: FICT 3	0	0	874	605
Beam 1048	Beam2	21: FICT 3	0	0	909	607
Beam 1049	Beam2	21: FICT 3	0	0	915	609
Beam 1050	Beam2	21: FICT 3	0	0	919	610
Beam 1051	Beam2	21: FICT 3	0	0	876	612
Beam 1052	Beam2	21: FICT 3	0	0	910	614
Beam 1053	Beam2	21: FICT 3	0	0	916	616
Beam 1054	Beam2	21: FICT 3	0	0	875	611
Beam 1055	Beam2	21: FICT 3	0	0	877	613
Beam 1056	Beam2	21: FICT 3	0	0	911	615
Beam 1057	Beam2	21: FICT 3	0	0	917	617
Beam 1058	Beam2	21: FICT 3	0	0	920	618
Beam 1059	Beam2	21: FICT 3	0	0	879	628
Beam 1060	Beam2	21: FICT 3	0	0	921	630
Beam 1061	Beam2	21: FICT 3	0	0	925	632
Beam 1062	Beam2	21: FICT 3	0	0	878	627
Beam 1063	Beam2	21: FICT 3	0	0	880	629
Beam 1064	Beam2	21: FICT 3	0	0	922	631
Beam 1065	Beam2	21: FICT 3	0	0	926	633
Beam 1066	Beam2	21: FICT 3	0	0	929	634
Beam 1067	Beam2	21: FICT 3	0	0	882	636
Beam 1068	Beam2	21: FICT 3	0	0	923	638
Beam 1069	Beam2	21: FICT 3	0	0	927	640
Beam 1070	Beam2	21: FICT 3	0	0	881	635
Beam 1071	Beam2	21: FICT 3	0	0	883	637
Beam 1072	Beam2	21: FICT 3	0	0	924	639
Beam 1073	Beam2	21: FICT 3	0	0	928	641
Beam 1074	Beam2	21: FICT 3	0	0	930	642
Beam 1075	Beam2	21: FICT 3	0	0	885	652
Beam 1076	Beam2	21: FICT 3	0	0	931	654
Beam 1077	Beam2	21: FICT 3	0	0	935	656
Beam 1078	Beam2	21: FICT 3	0	0	884	651
Beam 1079	Beam2	21: FICT 3	0	0	886	653
Beam 1080	Beam2	21: FICT 3	0	0	932	655
Beam 1081	Beam2	21: FICT 3	0	0	936	657
Beam 1082	Beam2	21: FICT 3	0	0	939	658
Beam 1083	Beam2	21: FICT 3	0	0	888	660
Beam 1084	Beam2	21: FICT 3	0	0	933	662
Beam 1085	Beam2	21: FICT 3	0	0	937	664
Beam 1086	Beam2	21: FICT 3	0	0	887	659
Beam 1087	Beam2	21: FICT 3	0	0	889	661
Beam 1088	Beam2	21: FICT 3	0	0	934	663
Beam 1089	Beam2	21: FICT 3	0	0	938	665
Beam 1090	Beam2	21: FICT 3	0	0	940	666
Beam 1091	Beam2	21: FICT 3	0	0	891	676

Beam 109	Beam2	21: FICT 3	0	0	941	678
Beam 109	Beam2	21: FICT 3	0	0	945	680
Beam 109	Beam2	21: FICT 3	0	0	890	675
Beam 109	Beam2	21: FICT 3	0	0	892	677
Beam 109	Beam2	21: FICT 3	0	0	942	679
Beam 109	Beam2	21: FICT 3	0	0	946	681
Beam 109	Beam2	21: FICT 3	0	0	949	682
Beam 109	Beam2	21: FICT 3	0	0	894	684
Beam 110	Beam2	21: FICT 3	0	0	943	686
Beam 110	Beam2	21: FICT 3	0	0	947	688
Beam 110	Beam2	21: FICT 3	0	0	893	683
Beam 110	Beam2	21: FICT 3	0	0	895	685
Beam 110	Beam2	21: FICT 3	0	0	944	687
Beam 110	Beam2	21: FICT 3	0	0	948	689
Beam 110	Beam2	21: FICT 3	0	0	950	690
Beam 110	Beam2	10: COLONNE - CA 100cm	0	0	1	223
Beam 110	Beam2	10: COLONNE - CA 100cm	0	0	2	224
Beam 110	Beam2	10: COLONNE - CA 100cm	0	0	3	221
Beam 111	Beam2	10: COLONNE - CA 100cm	0	0	4	222
Beam 111	Beam2	10: COLONNE - CA 100cm	0	0	375	729
Beam 111	Beam2	10: COLONNE - CA 100cm	0	0	376	730
Beam 111	Beam2	10: COLONNE - CA 100cm	0	0	377	725
Beam 111	Beam2	10: COLONNE - CA 100cm	0	0	378	726
Beam 111	Beam2	5: ARCARECCI - LAMELLARE	0	90	110	111
Beam 111	Beam2	5: ARCARECCI - LAMELLARE	0	90	115	116
Beam 111	Beam2	5: ARCARECCI - LAMELLARE	0	90	120	121
Beam 111	Beam2	5: ARCARECCI - LAMELLARE	0	90	125	126
Beam 111	Beam2	5: ARCARECCI - LAMELLARE	0	90	130	131
Beam 112	Beam2	5: ARCARECCI - LAMELLARE	0	90	135	136
Beam 112	Beam2	5: ARCARECCI - LAMELLARE	0	90	140	141
Beam 112	Beam2	5: ARCARECCI - LAMELLARE	0	90	145	146
Beam 112	Beam2	5: ARCARECCI - LAMELLARE	0	90	150	151
Beam 112	Beam2	5: ARCARECCI - LAMELLARE	0	90	155	156
Beam 112	Beam2	5: ARCARECCI - LAMELLARE	0	90	160	161
Beam 112	Beam2	5: ARCARECCI - LAMELLARE	0	90	165	166
Beam 112	Beam2	5: ARCARECCI - LAMELLARE	0	90	170	171
Beam 112	Beam2	5: ARCARECCI - LAMELLARE	0	90	175	176
Beam 112	Beam2	5: ARCARECCI - LAMELLARE	0	90	180	181
Beam 113	Beam2	5: ARCARECCI - LAMELLARE	0	90	185	186
Beam 113	Beam2	5: ARCARECCI - LAMELLARE	0	90	190	191
Beam 113	Beam2	5: ARCARECCI - LAMELLARE	0	90	195	196
Beam 113	Beam2	5: ARCARECCI - LAMELLARE	0	90	200	201
Beam 113	Beam2	5: ARCARECCI - LAMELLARE	0	90	205	206
Beam 113	Beam2	5: ARCARECCI - LAMELLARE	0	90	210	211
Beam 113	Beam2	5: ARCARECCI - LAMELLARE	0	90	111	113
Beam 113	Beam2	5: ARCARECCI - LAMELLARE	0	90	116	118
Beam 113	Beam2	5: ARCARECCI - LAMELLARE	0	90	121	123
Beam 113	Beam2	5: ARCARECCI - LAMELLARE	0	90	126	128
Beam 114	Beam2	5: ARCARECCI - LAMELLARE	0	90	131	133
Beam 114	Beam2	5: ARCARECCI - LAMELLARE	0	90	136	138

Beam 1142	Beam2	5: ARCARECCI - LAMELLARE	0	90	141	143
Beam 1143	Beam2	5: ARCARECCI - LAMELLARE	0	90	146	148
Beam 1144	Beam2	5: ARCARECCI - LAMELLARE	0	90	151	153
Beam 1145	Beam2	5: ARCARECCI - LAMELLARE	0	90	156	158
Beam 1146	Beam2	5: ARCARECCI - LAMELLARE	0	90	161	163
Beam 1147	Beam2	5: ARCARECCI - LAMELLARE	0	90	166	168
Beam 1148	Beam2	5: ARCARECCI - LAMELLARE	0	90	171	173
Beam 1149	Beam2	5: ARCARECCI - LAMELLARE	0	90	176	178
Beam 1150	Beam2	5: ARCARECCI - LAMELLARE	0	90	181	183
Beam 1151	Beam2	5: ARCARECCI - LAMELLARE	0	90	186	188
Beam 1152	Beam2	5: ARCARECCI - LAMELLARE	0	90	191	193
Beam 1153	Beam2	5: ARCARECCI - LAMELLARE	0	90	196	198
Beam 1154	Beam2	5: ARCARECCI - LAMELLARE	0	90	201	203
Beam 1155	Beam2	5: ARCARECCI - LAMELLARE	0	90	206	208
Beam 1156	Beam2	5: ARCARECCI - LAMELLARE	0	90	211	213
Beam 1157	Beam2	5: ARCARECCI - LAMELLARE	0	90	113	114
Beam 1158	Beam2	5: ARCARECCI - LAMELLARE	0	90	118	119
Beam 1159	Beam2	5: ARCARECCI - LAMELLARE	0	90	123	124
Beam 1160	Beam2	5: ARCARECCI - LAMELLARE	0	90	128	129
Beam 1161	Beam2	5: ARCARECCI - LAMELLARE	0	90	133	134
Beam 1162	Beam2	5: ARCARECCI - LAMELLARE	0	90	138	139
Beam 1163	Beam2	5: ARCARECCI - LAMELLARE	0	90	143	144
Beam 1164	Beam2	5: ARCARECCI - LAMELLARE	0	90	148	149
Beam 1165	Beam2	5: ARCARECCI - LAMELLARE	0	90	153	154
Beam 1166	Beam2	5: ARCARECCI - LAMELLARE	0	90	158	159
Beam 1167	Beam2	5: ARCARECCI - LAMELLARE	0	90	163	164
Beam 1168	Beam2	5: ARCARECCI - LAMELLARE	0	90	168	169
Beam 1169	Beam2	5: ARCARECCI - LAMELLARE	0	90	173	174
Beam 1170	Beam2	5: ARCARECCI - LAMELLARE	0	90	178	179
Beam 1171	Beam2	5: ARCARECCI - LAMELLARE	0	90	183	184
Beam 1172	Beam2	5: ARCARECCI - LAMELLARE	0	90	188	189
Beam 1173	Beam2	5: ARCARECCI - LAMELLARE	0	90	193	194
Beam 1174	Beam2	5: ARCARECCI - LAMELLARE	0	90	198	199
Beam 1175	Beam2	5: ARCARECCI - LAMELLARE	0	90	203	204
Beam 1176	Beam2	5: ARCARECCI - LAMELLARE	0	90	208	209
Beam 1177	Beam2	5: ARCARECCI - LAMELLARE	0	90	213	214
Beam 1178	Beam2	5: ARCARECCI - LAMELLARE	0	90	114	112
Beam 1179	Beam2	5: ARCARECCI - LAMELLARE	0	90	119	117
Beam 1180	Beam2	5: ARCARECCI - LAMELLARE	0	90	124	122
Beam 1181	Beam2	5: ARCARECCI - LAMELLARE	0	90	129	127
Beam 1182	Beam2	5: ARCARECCI - LAMELLARE	0	90	134	132
Beam 1183	Beam2	5: ARCARECCI - LAMELLARE	0	90	139	137
Beam 1184	Beam2	5: ARCARECCI - LAMELLARE	0	90	144	142
Beam 1185	Beam2	5: ARCARECCI - LAMELLARE	0	90	149	147
Beam 1186	Beam2	5: ARCARECCI - LAMELLARE	0	90	154	152
Beam 1187	Beam2	5: ARCARECCI - LAMELLARE	0	90	159	157
Beam 1188	Beam2	5: ARCARECCI - LAMELLARE	0	90	164	162
Beam 1189	Beam2	5: ARCARECCI - LAMELLARE	0	90	169	167
Beam 1190	Beam2	5: ARCARECCI - LAMELLARE	0	90	174	172
Beam 1191	Beam2	5: ARCARECCI - LAMELLARE	0	90	179	177

Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	184	182
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	189	187
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	194	192
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	199	197
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	204	202
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	209	207
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	214	212
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	112	548
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	117	556
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	122	564
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	127	572
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	132	580
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	137	588
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	142	596
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	147	604
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	152	612
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	157	620
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	162	628
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	167	636
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	172	644
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	177	652
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	182	660
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	187	668
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	192	676
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	197	684
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	202	692
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	212	708
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	207	700
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	548	550
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	556	558
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	564	566
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	572	574
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	580	582
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	588	590
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	596	598
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	604	606
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	612	614
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	620	622
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	628	630
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	636	638
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	644	646
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	652	654
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	660	662
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	668	670
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	676	678
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	684	686
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	692	694
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	700	702
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	708	710
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	991	995

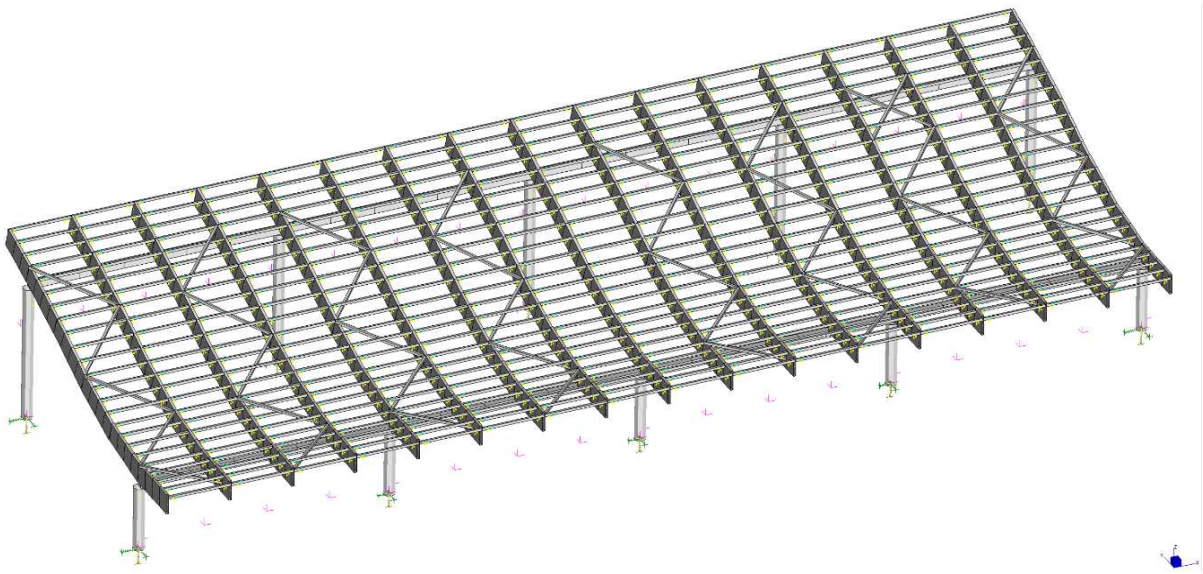
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	999	1003
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	1007	1011
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	550	552
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	558	560
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	566	568
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	574	576
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	582	584
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	590	592
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	598	600
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	606	608
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	614	616
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	622	624
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	630	632
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	638	640
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	646	648
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	654	656
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	662	664
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	670	672
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	678	680
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	686	688
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	694	696
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	702	704
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	710	712
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	995	997
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	1003	1005
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	1011	1013
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	552	547
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	560	555
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	568	563
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	576	571
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	584	579
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	592	587
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	600	595
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	608	603
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	616	611
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	624	619
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	632	627
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	640	635
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	648	643
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	656	651
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	664	659
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	672	667
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	680	675
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	688	683
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	696	691
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	704	699
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	712	707
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	997	992
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	1005	1000
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	1013	1008

Beam 1292	Beam2	5: ARCARECCI - LAMELLARE	0	90	547	549
Beam 1293	Beam2	5: ARCARECCI - LAMELLARE	0	90	555	557
Beam 1294	Beam2	5: ARCARECCI - LAMELLARE	0	90	563	565
Beam 1295	Beam2	5: ARCARECCI - LAMELLARE	0	90	571	573
Beam 1296	Beam2	5: ARCARECCI - LAMELLARE	0	90	579	581
Beam 1297	Beam2	5: ARCARECCI - LAMELLARE	0	90	587	589
Beam 1298	Beam2	5: ARCARECCI - LAMELLARE	0	90	595	597
Beam 1299	Beam2	5: ARCARECCI - LAMELLARE	0	90	603	605
Beam 1300	Beam2	5: ARCARECCI - LAMELLARE	0	90	611	613
Beam 1301	Beam2	5: ARCARECCI - LAMELLARE	0	90	619	621
Beam 1302	Beam2	5: ARCARECCI - LAMELLARE	0	90	627	629
Beam 1303	Beam2	5: ARCARECCI - LAMELLARE	0	90	635	637
Beam 1304	Beam2	5: ARCARECCI - LAMELLARE	0	90	643	645
Beam 1305	Beam2	5: ARCARECCI - LAMELLARE	0	90	651	653
Beam 1306	Beam2	5: ARCARECCI - LAMELLARE	0	90	659	661
Beam 1307	Beam2	5: ARCARECCI - LAMELLARE	0	90	667	669
Beam 1308	Beam2	5: ARCARECCI - LAMELLARE	0	90	675	677
Beam 1309	Beam2	5: ARCARECCI - LAMELLARE	0	90	683	685
Beam 1310	Beam2	5: ARCARECCI - LAMELLARE	0	90	691	693
Beam 1311	Beam2	5: ARCARECCI - LAMELLARE	0	90	699	701
Beam 1312	Beam2	5: ARCARECCI - LAMELLARE	0	90	707	709
Beam 1313	Beam2	5: ARCARECCI - LAMELLARE	0	90	992	993
Beam 1314	Beam2	5: ARCARECCI - LAMELLARE	0	90	1000	1001
Beam 1315	Beam2	5: ARCARECCI - LAMELLARE	0	90	1008	1009
Beam 1316	Beam2	5: ARCARECCI - LAMELLARE	0	90	549	551
Beam 1317	Beam2	5: ARCARECCI - LAMELLARE	0	90	557	559
Beam 1318	Beam2	5: ARCARECCI - LAMELLARE	0	90	565	567
Beam 1319	Beam2	5: ARCARECCI - LAMELLARE	0	90	573	575
Beam 1320	Beam2	5: ARCARECCI - LAMELLARE	0	90	581	583
Beam 1321	Beam2	5: ARCARECCI - LAMELLARE	0	90	589	591
Beam 1322	Beam2	5: ARCARECCI - LAMELLARE	0	90	597	599
Beam 1323	Beam2	5: ARCARECCI - LAMELLARE	0	90	605	607
Beam 1324	Beam2	5: ARCARECCI - LAMELLARE	0	90	613	615
Beam 1325	Beam2	5: ARCARECCI - LAMELLARE	0	90	621	623
Beam 1326	Beam2	5: ARCARECCI - LAMELLARE	0	90	629	631
Beam 1327	Beam2	5: ARCARECCI - LAMELLARE	0	90	637	639
Beam 1328	Beam2	5: ARCARECCI - LAMELLARE	0	90	645	647
Beam 1329	Beam2	5: ARCARECCI - LAMELLARE	0	90	653	655
Beam 1330	Beam2	5: ARCARECCI - LAMELLARE	0	90	661	663
Beam 1331	Beam2	5: ARCARECCI - LAMELLARE	0	90	669	671
Beam 1332	Beam2	5: ARCARECCI - LAMELLARE	0	90	677	679
Beam 1333	Beam2	5: ARCARECCI - LAMELLARE	0	90	685	687
Beam 1334	Beam2	5: ARCARECCI - LAMELLARE	0	90	693	695
Beam 1335	Beam2	5: ARCARECCI - LAMELLARE	0	90	701	703
Beam 1336	Beam2	5: ARCARECCI - LAMELLARE	0	90	709	711
Beam 1337	Beam2	5: ARCARECCI - LAMELLARE	0	90	993	996
Beam 1338	Beam2	5: ARCARECCI - LAMELLARE	0	90	1001	1004
Beam 1339	Beam2	5: ARCARECCI - LAMELLARE	0	90	1009	1012
Beam 1340	Beam2	5: ARCARECCI - LAMELLARE	0	90	551	553
Beam 1341	Beam2	5: ARCARECCI - LAMELLARE	0	90	559	561

Beam 1342	Beam2	5: ARCARECCI - LAMELLARE	0	90	567	569
Beam 1343	Beam2	5: ARCARECCI - LAMELLARE	0	90	575	577
Beam 1344	Beam2	5: ARCARECCI - LAMELLARE	0	90	583	585
Beam 1345	Beam2	5: ARCARECCI - LAMELLARE	0	90	591	593
Beam 1346	Beam2	5: ARCARECCI - LAMELLARE	0	90	599	601
Beam 1347	Beam2	5: ARCARECCI - LAMELLARE	0	90	607	609
Beam 1348	Beam2	5: ARCARECCI - LAMELLARE	0	90	615	617
Beam 1349	Beam2	5: ARCARECCI - LAMELLARE	0	90	623	625
Beam 1350	Beam2	5: ARCARECCI - LAMELLARE	0	90	631	633
Beam 1351	Beam2	5: ARCARECCI - LAMELLARE	0	90	639	641
Beam 1352	Beam2	5: ARCARECCI - LAMELLARE	0	90	647	649
Beam 1353	Beam2	5: ARCARECCI - LAMELLARE	0	90	655	657
Beam 1354	Beam2	5: ARCARECCI - LAMELLARE	0	90	663	665
Beam 1355	Beam2	5: ARCARECCI - LAMELLARE	0	90	671	673
Beam 1356	Beam2	5: ARCARECCI - LAMELLARE	0	90	679	681
Beam 1357	Beam2	5: ARCARECCI - LAMELLARE	0	90	687	689
Beam 1358	Beam2	5: ARCARECCI - LAMELLARE	0	90	695	697
Beam 1359	Beam2	5: ARCARECCI - LAMELLARE	0	90	703	705
Beam 1360	Beam2	5: ARCARECCI - LAMELLARE	0	90	711	713
Beam 1361	Beam2	5: ARCARECCI - LAMELLARE	0	90	996	998
Beam 1362	Beam2	5: ARCARECCI - LAMELLARE	0	90	1004	1006
Beam 1363	Beam2	5: ARCARECCI - LAMELLARE	0	90	1012	1014
Beam 1364	Beam2	5: ARCARECCI - LAMELLARE	0	90	553	554
Beam 1365	Beam2	5: ARCARECCI - LAMELLARE	0	90	561	562
Beam 1366	Beam2	5: ARCARECCI - LAMELLARE	0	90	569	570
Beam 1367	Beam2	5: ARCARECCI - LAMELLARE	0	90	577	578
Beam 1368	Beam2	5: ARCARECCI - LAMELLARE	0	90	585	586
Beam 1369	Beam2	5: ARCARECCI - LAMELLARE	0	90	593	594
Beam 1370	Beam2	5: ARCARECCI - LAMELLARE	0	90	601	602
Beam 1371	Beam2	5: ARCARECCI - LAMELLARE	0	90	609	610
Beam 1372	Beam2	5: ARCARECCI - LAMELLARE	0	90	617	618
Beam 1373	Beam2	5: ARCARECCI - LAMELLARE	0	90	625	626
Beam 1374	Beam2	5: ARCARECCI - LAMELLARE	0	90	633	634
Beam 1375	Beam2	5: ARCARECCI - LAMELLARE	0	90	641	642
Beam 1376	Beam2	5: ARCARECCI - LAMELLARE	0	90	649	650
Beam 1377	Beam2	5: ARCARECCI - LAMELLARE	0	90	657	658
Beam 1378	Beam2	5: ARCARECCI - LAMELLARE	0	90	665	666
Beam 1379	Beam2	5: ARCARECCI - LAMELLARE	0	90	673	674
Beam 1380	Beam2	5: ARCARECCI - LAMELLARE	0	90	681	682
Beam 1381	Beam2	5: ARCARECCI - LAMELLARE	0	90	689	690
Beam 1382	Beam2	5: ARCARECCI - LAMELLARE	0	90	697	698
Beam 1383	Beam2	5: ARCARECCI - LAMELLARE	0	90	705	706
Beam 1384	Beam2	5: ARCARECCI - LAMELLARE	0	90	713	714
Beam 1385	Beam2	5: ARCARECCI - LAMELLARE	0	90	998	994
Beam 1386	Beam2	5: ARCARECCI - LAMELLARE	0	90	1006	1002
Beam 1387	Beam2	5: ARCARECCI - LAMELLARE	0	90	1014	1010
Beam 1388	Beam2	8: CONTROVENTI	0	0	128	209
Beam 1389	Beam2	8: CONTROVENTI	0	0	119	128
Beam 1390	Beam2	8: CONTROVENTI	0	0	123	119
Beam 1391	Beam2	8: CONTROVENTI	0	0	214	123

Beam 1392	Beam2	8: CONTROVENTI	0	0	113	214
Beam 1393	Beam2	8: CONTROVENTI	0	0	574	704
Beam 1394	Beam2	8: CONTROVENTI	0	0	560	574
Beam 1395	Beam2	8: CONTROVENTI	0	0	566	560
Beam 1396	Beam2	8: CONTROVENTI	0	0	712	566
Beam 1397	Beam2	8: CONTROVENTI	0	0	550	712

CORPO AS2



Indice dei nodi di definizione

	X (m)	Y (m)	Z (m)
Node 1	61.30	0.00	-0.50
Node 2	61.30	20.00	-0.50
Node 3	61.30	20.00	12.15
Node 4	61.30	1.25	6.32
Node 5	61.30	0.00	6.15
Node 6	61.30	-1.25	6.18
Node 7	61.30	11.25	8.86
Node 8	61.30	10.00	8.34
Node 9	61.30	6.25	7.22
Node 10	61.30	5.00	6.84
Node 11	61.30	16.25	10.86
Node 12	61.30	15.00	10.43
Node 13	61.30	3.75	6.67
Node 14	61.30	2.50	6.50
Node 15	61.30	-5.00	6.25
Node 16	61.30	-3.75	6.23
Node 17	61.30	-2.50	6.20
Node 18	61.30	13.75	9.90
Node 19	61.30	12.50	9.38
Node 20	61.30	8.75	7.96
Node 21	61.30	7.50	7.59
Node 22	61.30	18.75	11.72
Node 23	61.30	17.50	11.29
Node 24	61.30	-5.00	6.80
Node 25	61.30	10.00	8.89
Node 26	61.30	5.00	7.39
Node 27	61.30	15.00	10.98
Node 28	61.30	3.75	7.22
Node 29	61.30	2.50	7.05
Node 30	61.30	1.25	6.87
Node 31	61.30	-3.75	6.78
Node 32	61.30	-2.50	6.75
Node 33	61.30	-1.25	6.73
Node 34	61.30	13.75	10.45
Node 35	61.30	12.50	9.93
Node 36	61.30	11.25	9.41
Node 37	61.30	8.75	8.51
Node 38	61.30	7.50	8.14
Node 39	61.30	6.25	7.77
Node 40	61.30	18.75	12.27
Node 41	61.30	17.50	11.84
Node 42	61.30	16.25	11.41
Node 43	61.30	20.00	12.70
Node 44	61.30	0.00	6.70

	X (m)	Y (m)	Z (m)
Node 694	91.30	16.25	11.41
Node 695	111.30	16.25	11.41
Node 696	131.30	16.25	11.41
Node 697	76.30	16.25	11.41
Node 698	96.30	16.25	11.41
Node 699	116.30	16.25	11.41
Node 700	136.30	16.25	11.41
Node 701	81.30	20.00	12.70
Node 702	101.30	20.00	12.70
Node 703	121.30	20.00	12.70
Node 704	141.30	20.00	12.70
Node 705	66.30	20.00	12.70
Node 706	86.30	20.00	12.70
Node 707	106.30	20.00	12.70
Node 708	126.30	20.00	12.70
Node 709	71.30	20.00	12.70
Node 710	91.30	20.00	12.70
Node 711	111.30	20.00	12.70
Node 712	131.30	20.00	12.70
Node 713	76.30	20.00	12.70
Node 714	96.30	20.00	12.70
Node 715	116.30	20.00	12.70
Node 716	136.30	20.00	12.70
Node 717	81.30	0.00	6.70
Node 718	101.30	0.00	6.70
Node 719	121.30	0.00	6.70
Node 720	141.30	0.00	6.70
Node 721	66.30	0.00	6.70
Node 722	86.30	0.00	6.70
Node 723	106.30	0.00	6.70
Node 724	126.30	0.00	6.70
Node 725	71.30	0.00	6.70
Node 726	91.30	0.00	6.70
Node 727	111.30	0.00	6.70
Node 728	131.30	0.00	6.70
Node 729	76.30	0.00	6.70
Node 730	96.30	0.00	6.70
Node 731	116.30	0.00	6.70
Node 732	136.30	0.00	6.70
Node 733	65.30	20.00	11.20
Node 734	85.30	20.00	11.20
Node 735	105.30	20.00	11.20
Node 736	125.30	20.00	11.20
Node 737	66.30	20.00	11.20

Node 45	61.30	20.00	11.20
Node 46	61.30	0.00	5.20
Node 47	61.30	20.00	10.90
Node 48	61.30	0.00	4.90
Node 49	61.30	20.00	11.50
Node 50	61.30	0.00	5.50
Node 53	81.30	0.00	-0.50
Node 54	101.30	0.00	-0.50
Node 55	121.30	0.00	-0.50
Node 56	141.30	0.00	-0.50
Node 57	81.30	20.00	-0.50
Node 58	101.30	20.00	-0.50
Node 59	121.30	20.00	-0.50
Node 60	141.30	20.00	-0.50
Node 61	66.30	20.00	12.15
Node 62	86.30	20.00	12.15
Node 63	106.30	20.00	12.15
Node 64	126.30	20.00	12.15
Node 65	71.30	20.00	12.15
Node 66	91.30	20.00	12.15
Node 67	111.30	20.00	12.15
Node 68	131.30	20.00	12.15
Node 69	76.30	20.00	12.15
Node 70	96.30	20.00	12.15
Node 71	116.30	20.00	12.15
Node 72	136.30	20.00	12.15
Node 73	81.30	20.00	12.15
Node 74	101.30	20.00	12.15
Node 75	121.30	20.00	12.15
Node 76	141.30	20.00	12.15
Node 77	66.30	1.25	6.32
Node 78	86.30	1.25	6.32
Node 79	106.30	1.25	6.32
Node 80	126.30	1.25	6.32
Node 81	66.30	0.00	6.15
Node 82	86.30	0.00	6.15
Node 83	106.30	0.00	6.15
Node 84	126.30	0.00	6.15
Node 85	71.30	1.25	6.32
Node 86	91.30	1.25	6.32
Node 87	111.30	1.25	6.32
Node 88	131.30	1.25	6.32
Node 89	71.30	0.00	6.15
Node 90	91.30	0.00	6.15
Node 91	111.30	0.00	6.15
Node 92	131.30	0.00	6.15
Node 93	76.30	1.25	6.32
Node 94	96.30	1.25	6.32
Node 95	116.30	1.25	6.32
Node 96	136.30	1.25	6.32

Node 738	86.30	20.00	11.20
Node 739	106.30	20.00	11.20
Node 740	126.30	20.00	11.20
Node 741	65.30	0.00	5.20
Node 742	85.30	0.00	5.20
Node 743	105.30	0.00	5.20
Node 744	125.30	0.00	5.20
Node 745	66.30	0.00	5.20
Node 746	86.30	0.00	5.20
Node 747	106.30	0.00	5.20
Node 748	126.30	0.00	5.20
Node 749	81.30	20.00	11.20
Node 750	101.30	20.00	11.20
Node 751	121.30	20.00	11.20
Node 752	141.30	20.00	11.20
Node 753	81.30	20.00	10.90
Node 754	101.30	20.00	10.90
Node 755	121.30	20.00	10.90
Node 756	141.30	20.00	10.90
Node 757	81.30	0.00	5.20
Node 758	101.30	0.00	5.20
Node 759	121.30	0.00	5.20
Node 760	141.30	0.00	5.20
Node 761	81.30	0.00	4.90
Node 762	101.30	0.00	4.90
Node 763	121.30	0.00	4.90
Node 764	141.30	0.00	4.90
Node 765	81.30	20.00	11.50
Node 766	101.30	20.00	11.50
Node 767	121.30	20.00	11.50
Node 768	141.30	20.00	11.50
Node 769	81.30	0.00	5.50
Node 770	101.30	0.00	5.50
Node 771	121.30	0.00	5.50
Node 772	141.30	0.00	5.50
Node 773	66.30	20.00	11.50
Node 774	86.30	20.00	11.50
Node 775	106.30	20.00	11.50
Node 776	126.30	20.00	11.50
Node 777	71.30	20.00	11.50
Node 778	91.30	20.00	11.50
Node 779	111.30	20.00	11.50
Node 780	131.30	20.00	11.50
Node 781	76.30	20.00	11.50
Node 782	96.30	20.00	11.50
Node 783	116.30	20.00	11.50
Node 784	136.30	20.00	11.50
Node 785	66.30	0.00	5.50
Node 786	86.30	0.00	5.50
Node 787	106.30	0.00	5.50

Node 97	76.30	0.00	6.15
Node 98	96.30	0.00	6.15
Node 99	116.30	0.00	6.15
Node 100	136.30	0.00	6.15
Node 101	81.30	1.25	6.32
Node 102	101.30	1.25	6.32
Node 103	121.30	1.25	6.32
Node 104	141.30	1.25	6.32
Node 105	81.30	0.00	6.15
Node 106	101.30	0.00	6.15
Node 107	121.30	0.00	6.15
Node 108	141.30	0.00	6.15
Node 109	66.30	-1.25	6.18
Node 110	86.30	-1.25	6.18
Node 111	106.30	-1.25	6.18
Node 112	126.30	-1.25	6.18
Node 113	71.30	-1.25	6.18
Node 114	91.30	-1.25	6.18
Node 115	111.30	-1.25	6.18
Node 116	131.30	-1.25	6.18
Node 117	76.30	-1.25	6.18
Node 118	96.30	-1.25	6.18
Node 119	116.30	-1.25	6.18
Node 120	136.30	-1.25	6.18
Node 121	81.30	-1.25	6.18
Node 122	101.30	-1.25	6.18
Node 123	121.30	-1.25	6.18
Node 124	141.30	-1.25	6.18
Node 125	66.30	11.25	8.86
Node 126	86.30	11.25	8.86
Node 127	106.30	11.25	8.86
Node 128	126.30	11.25	8.86
Node 129	66.30	10.00	8.34
Node 130	86.30	10.00	8.34
Node 131	106.30	10.00	8.34
Node 132	126.30	10.00	8.34
Node 133	71.30	11.25	8.86
Node 134	91.30	11.25	8.86
Node 135	111.30	11.25	8.86
Node 136	131.30	11.25	8.86
Node 137	71.30	10.00	8.34
Node 138	91.30	10.00	8.34
Node 139	111.30	10.00	8.34
Node 140	131.30	10.00	8.34
Node 141	76.30	11.25	8.86
Node 142	96.30	11.25	8.86
Node 143	116.30	11.25	8.86
Node 144	136.30	11.25	8.86
Node 145	76.30	10.00	8.34
Node 146	96.30	10.00	8.34

Node 788	126.30	0.00	5.50
Node 789	71.30	0.00	5.50
Node 790	91.30	0.00	5.50
Node 791	111.30	0.00	5.50
Node 792	131.30	0.00	5.50
Node 793	76.30	0.00	5.50
Node 794	96.30	0.00	5.50
Node 795	116.30	0.00	5.50
Node 796	136.30	0.00	5.50
Node 797	76.30	20.00	11.20
Node 798	96.30	20.00	11.20
Node 799	116.30	20.00	11.20
Node 800	136.30	20.00	11.20
Node 801	71.30	20.00	11.20
Node 802	91.30	20.00	11.20
Node 803	111.30	20.00	11.20
Node 804	131.30	20.00	11.20
Node 805	76.30	0.00	5.20
Node 806	96.30	0.00	5.20
Node 807	116.30	0.00	5.20
Node 808	136.30	0.00	5.20
Node 809	71.30	0.00	5.20
Node 810	91.30	0.00	5.20
Node 811	111.30	0.00	5.20
Node 812	131.30	0.00	5.20
Node 813	77.30	20.00	11.20
Node 814	97.30	20.00	11.20
Node 815	117.30	20.00	11.20
Node 816	137.30	20.00	11.20
Node 817	73.80	20.00	11.20
Node 818	93.80	20.00	11.20
Node 819	113.80	20.00	11.20
Node 820	133.80	20.00	11.20
Node 821	68.80	20.00	11.20
Node 822	88.80	20.00	11.20
Node 823	108.80	20.00	11.20
Node 824	128.80	20.00	11.20
Node 825	77.30	0.00	5.20
Node 826	97.30	0.00	5.20
Node 827	117.30	0.00	5.20
Node 828	137.30	0.00	5.20
Node 829	73.80	0.00	5.20
Node 830	93.80	0.00	5.20
Node 831	113.80	0.00	5.20
Node 832	133.80	0.00	5.20
Node 833	68.80	0.00	5.20
Node 834	88.80	0.00	5.20
Node 835	108.80	0.00	5.20
Node 836	128.80	0.00	5.20
Node 903	61.30	1.25	6.88

Node 147	116.30	10.00	8.34
Node 148	136.30	10.00	8.34
Node 149	81.30	11.25	8.86
Node 150	101.30	11.25	8.86
Node 151	121.30	11.25	8.86
Node 152	141.30	11.25	8.86
Node 153	81.30	10.00	8.34
Node 154	101.30	10.00	8.34
Node 155	121.30	10.00	8.34
Node 156	141.30	10.00	8.34
Node 157	66.30	6.25	7.22
Node 158	86.30	6.25	7.22
Node 159	106.30	6.25	7.22
Node 160	126.30	6.25	7.22
Node 161	66.30	5.00	6.84
Node 162	86.30	5.00	6.84
Node 163	106.30	5.00	6.84
Node 164	126.30	5.00	6.84
Node 165	71.30	6.25	7.22
Node 166	91.30	6.25	7.22
Node 167	111.30	6.25	7.22
Node 168	131.30	6.25	7.22
Node 169	71.30	5.00	6.84
Node 170	91.30	5.00	6.84
Node 171	111.30	5.00	6.84
Node 172	131.30	5.00	6.84
Node 173	76.30	6.25	7.22
Node 174	96.30	6.25	7.22
Node 175	116.30	6.25	7.22
Node 176	136.30	6.25	7.22
Node 177	76.30	5.00	6.84
Node 178	96.30	5.00	6.84
Node 179	116.30	5.00	6.84
Node 180	136.30	5.00	6.84
Node 181	81.30	6.25	7.22
Node 182	101.30	6.25	7.22
Node 183	121.30	6.25	7.22
Node 184	141.30	6.25	7.22
Node 185	81.30	5.00	6.84
Node 186	101.30	5.00	6.84
Node 187	121.30	5.00	6.84
Node 188	141.30	5.00	6.84
Node 189	66.30	16.25	10.86
Node 190	86.30	16.25	10.86
Node 191	106.30	16.25	10.86
Node 192	126.30	16.25	10.86
Node 193	66.30	15.00	10.43
Node 194	86.30	15.00	10.43
Node 195	106.30	15.00	10.43
Node 196	126.30	15.00	10.43

Node 904	61.30	0.00	6.71
Node 905	66.30	0.00	6.71
Node 906	66.30	1.25	6.88
Node 907	81.30	1.25	6.88
Node 908	81.30	0.00	6.71
Node 909	86.30	0.00	6.71
Node 910	86.30	1.25	6.88
Node 911	101.30	1.25	6.88
Node 912	101.30	0.00	6.71
Node 913	106.30	0.00	6.71
Node 914	106.30	1.25	6.88
Node 915	121.30	1.25	6.88
Node 916	121.30	0.00	6.71
Node 917	126.30	0.00	6.71
Node 918	126.30	1.25	6.88
Node 919	61.30	-1.25	6.74
Node 920	66.30	-1.25	6.74
Node 921	81.30	-1.25	6.74
Node 922	86.30	-1.25	6.74
Node 923	101.30	-1.25	6.74
Node 924	106.30	-1.25	6.74
Node 925	121.30	-1.25	6.74
Node 926	126.30	-1.25	6.74
Node 927	61.30	11.25	9.42
Node 928	61.30	10.00	8.90
Node 929	66.30	10.00	8.90
Node 930	66.30	11.25	9.42
Node 931	81.30	11.25	9.42
Node 932	81.30	10.00	8.90
Node 933	86.30	10.00	8.90
Node 934	86.30	11.25	9.42
Node 935	101.30	11.25	9.42
Node 936	101.30	10.00	8.90
Node 937	106.30	10.00	8.90
Node 938	106.30	11.25	9.42
Node 939	121.30	11.25	9.42
Node 940	121.30	10.00	8.90
Node 941	126.30	10.00	8.90
Node 942	126.30	11.25	9.42
Node 943	61.30	6.25	7.78
Node 944	61.30	5.00	7.40
Node 945	66.30	5.00	7.40
Node 946	66.30	6.25	7.78
Node 947	81.30	6.25	7.78
Node 948	81.30	5.00	7.40
Node 949	86.30	5.00	7.40
Node 950	86.30	6.25	7.78
Node 951	101.30	6.25	7.78
Node 952	101.30	5.00	7.40
Node 953	106.30	5.00	7.40

Node 197	71.30	16.25	10.86
Node 198	91.30	16.25	10.86
Node 199	111.30	16.25	10.86
Node 200	131.30	16.25	10.86
Node 201	71.30	15.00	10.43
Node 202	91.30	15.00	10.43
Node 203	111.30	15.00	10.43
Node 204	131.30	15.00	10.43
Node 205	76.30	16.25	10.86
Node 206	96.30	16.25	10.86
Node 207	116.30	16.25	10.86
Node 208	136.30	16.25	10.86
Node 209	76.30	15.00	10.43
Node 210	96.30	15.00	10.43
Node 211	116.30	15.00	10.43
Node 212	136.30	15.00	10.43
Node 213	81.30	16.25	10.86
Node 214	101.30	16.25	10.86
Node 215	121.30	16.25	10.86
Node 216	141.30	16.25	10.86
Node 217	81.30	15.00	10.43
Node 218	101.30	15.00	10.43
Node 219	121.30	15.00	10.43
Node 220	141.30	15.00	10.43
Node 221	66.30	3.75	6.67
Node 222	86.30	3.75	6.67
Node 223	106.30	3.75	6.67
Node 224	126.30	3.75	6.67
Node 225	66.30	2.50	6.50
Node 226	86.30	2.50	6.50
Node 227	106.30	2.50	6.50
Node 228	126.30	2.50	6.50
Node 229	71.30	3.75	6.67
Node 230	91.30	3.75	6.67
Node 231	111.30	3.75	6.67
Node 232	131.30	3.75	6.67
Node 233	71.30	2.50	6.50
Node 234	91.30	2.50	6.50
Node 235	111.30	2.50	6.50
Node 236	131.30	2.50	6.50
Node 237	76.30	3.75	6.67
Node 238	96.30	3.75	6.67
Node 239	116.30	3.75	6.67
Node 240	136.30	3.75	6.67
Node 241	76.30	2.50	6.50
Node 242	96.30	2.50	6.50
Node 243	116.30	2.50	6.50
Node 244	136.30	2.50	6.50
Node 245	81.30	3.75	6.67
Node 246	101.30	3.75	6.67

Node 954	106.30	6.25	7.78
Node 955	121.30	6.25	7.78
Node 956	121.30	5.00	7.40
Node 957	126.30	5.00	7.40
Node 958	126.30	6.25	7.78
Node 959	61.30	16.25	11.42
Node 960	61.30	15.00	10.99
Node 961	66.30	15.00	10.99
Node 962	66.30	16.25	11.42
Node 963	81.30	16.25	11.42
Node 964	81.30	15.00	10.99
Node 965	86.30	15.00	10.99
Node 966	86.30	16.25	11.42
Node 967	101.30	16.25	11.42
Node 968	101.30	15.00	10.99
Node 969	106.30	15.00	10.99
Node 970	106.30	16.25	11.42
Node 971	121.30	16.25	11.42
Node 972	121.30	15.00	10.99
Node 973	126.30	15.00	10.99
Node 974	126.30	16.25	11.42
Node 975	71.30	0.00	6.71
Node 976	71.30	1.25	6.88
Node 977	91.30	0.00	6.71
Node 978	91.30	1.25	6.88
Node 979	111.30	0.00	6.71
Node 980	111.30	1.25	6.88
Node 981	131.30	0.00	6.71
Node 982	131.30	1.25	6.88
Node 983	76.30	0.00	6.71
Node 984	76.30	1.25	6.88
Node 985	96.30	0.00	6.71
Node 986	96.30	1.25	6.88
Node 987	116.30	0.00	6.71
Node 988	116.30	1.25	6.88
Node 989	136.30	0.00	6.71
Node 990	136.30	1.25	6.88
Node 991	141.30	0.00	6.71
Node 992	141.30	1.25	6.88
Node 993	71.30	-1.25	6.74
Node 994	91.30	-1.25	6.74
Node 995	111.30	-1.25	6.74
Node 996	131.30	-1.25	6.74
Node 997	76.30	-1.25	6.74
Node 998	96.30	-1.25	6.74
Node 999	116.30	-1.25	6.74
Node 1000	136.30	-1.25	6.74
Node 1001	141.30	-1.25	6.74
Node 1002	71.30	10.00	8.90
Node 1003	71.30	11.25	9.42

Node 247	121.30	3.75	6.67
Node 248	141.30	3.75	6.67
Node 249	81.30	2.50	6.50
Node 250	101.30	2.50	6.50
Node 251	121.30	2.50	6.50
Node 252	141.30	2.50	6.50
Node 253	66.30	-5.00	6.25
Node 254	86.30	-5.00	6.25
Node 255	106.30	-5.00	6.25
Node 256	126.30	-5.00	6.25
Node 257	66.30	-3.75	6.23
Node 258	86.30	-3.75	6.23
Node 259	106.30	-3.75	6.23
Node 260	126.30	-3.75	6.23
Node 261	66.30	-2.50	6.20
Node 262	86.30	-2.50	6.20
Node 263	106.30	-2.50	6.20
Node 264	126.30	-2.50	6.20
Node 265	71.30	-5.00	6.25
Node 266	91.30	-5.00	6.25
Node 267	111.30	-5.00	6.25
Node 268	131.30	-5.00	6.25
Node 269	71.30	-3.75	6.23
Node 270	91.30	-3.75	6.23
Node 271	111.30	-3.75	6.23
Node 272	131.30	-3.75	6.23
Node 273	71.30	-2.50	6.20
Node 274	91.30	-2.50	6.20
Node 275	111.30	-2.50	6.20
Node 276	131.30	-2.50	6.20
Node 277	76.30	-5.00	6.25
Node 278	96.30	-5.00	6.25
Node 279	116.30	-5.00	6.25
Node 280	136.30	-5.00	6.25
Node 281	76.30	-3.75	6.23
Node 282	96.30	-3.75	6.23
Node 283	116.30	-3.75	6.23
Node 284	136.30	-3.75	6.23
Node 285	76.30	-2.50	6.20
Node 286	96.30	-2.50	6.20
Node 287	116.30	-2.50	6.20
Node 288	136.30	-2.50	6.20
Node 289	81.30	-5.00	6.25
Node 290	101.30	-5.00	6.25
Node 291	121.30	-5.00	6.25
Node 292	141.30	-5.00	6.25
Node 293	81.30	-3.75	6.23
Node 294	101.30	-3.75	6.23
Node 295	121.30	-3.75	6.23
Node 296	141.30	-3.75	6.23

Node 1004	91.30	10.00	8.90
Node 1005	91.30	11.25	9.42
Node 1006	111.30	10.00	8.90
Node 1007	111.30	11.25	9.42
Node 1008	131.30	10.00	8.90
Node 1009	131.30	11.25	9.42
Node 1010	76.30	10.00	8.90
Node 1011	76.30	11.25	9.42
Node 1012	96.30	10.00	8.90
Node 1013	96.30	11.25	9.42
Node 1014	116.30	10.00	8.90
Node 1015	116.30	11.25	9.42
Node 1016	136.30	10.00	8.90
Node 1017	136.30	11.25	9.42
Node 1018	141.30	10.00	8.90
Node 1019	141.30	11.25	9.42
Node 1020	71.30	5.00	7.40
Node 1021	71.30	6.25	7.78
Node 1022	91.30	5.00	7.40
Node 1023	91.30	6.25	7.78
Node 1024	111.30	5.00	7.40
Node 1025	111.30	6.25	7.78
Node 1026	131.30	5.00	7.40
Node 1027	131.30	6.25	7.78
Node 1028	76.30	5.00	7.40
Node 1029	76.30	6.25	7.78
Node 1030	96.30	5.00	7.40
Node 1031	96.30	6.25	7.78
Node 1032	116.30	5.00	7.40
Node 1033	116.30	6.25	7.78
Node 1034	136.30	5.00	7.40
Node 1035	136.30	6.25	7.78
Node 1036	141.30	5.00	7.40
Node 1037	141.30	6.25	7.78
Node 1038	71.30	15.00	10.99
Node 1039	71.30	16.25	11.42
Node 1040	91.30	15.00	10.99
Node 1041	91.30	16.25	11.42
Node 1042	111.30	15.00	10.99
Node 1043	111.30	16.25	11.42
Node 1044	131.30	15.00	10.99
Node 1045	131.30	16.25	11.42
Node 1046	76.30	15.00	10.99
Node 1047	76.30	16.25	11.42
Node 1048	96.30	15.00	10.99
Node 1049	96.30	16.25	11.42
Node 1050	116.30	15.00	10.99
Node 1051	116.30	16.25	11.42
Node 1052	136.30	15.00	10.99
Node 1053	136.30	16.25	11.42

Node 297	81.30	-2.50	6.20
Node 298	101.30	-2.50	6.20
Node 299	121.30	-2.50	6.20
Node 300	141.30	-2.50	6.20
Node 301	66.30	13.75	9.90
Node 302	86.30	13.75	9.90
Node 303	106.30	13.75	9.90
Node 304	126.30	13.75	9.90
Node 305	66.30	12.50	9.38
Node 306	86.30	12.50	9.38
Node 307	106.30	12.50	9.38
Node 308	126.30	12.50	9.38
Node 309	71.30	13.75	9.90
Node 310	91.30	13.75	9.90
Node 311	111.30	13.75	9.90
Node 312	131.30	13.75	9.90
Node 313	71.30	12.50	9.38
Node 314	91.30	12.50	9.38
Node 315	111.30	12.50	9.38
Node 316	131.30	12.50	9.38
Node 317	76.30	13.75	9.90
Node 318	96.30	13.75	9.90
Node 319	116.30	13.75	9.90
Node 320	136.30	13.75	9.90
Node 321	76.30	12.50	9.38
Node 322	96.30	12.50	9.38
Node 323	116.30	12.50	9.38
Node 324	136.30	12.50	9.38
Node 325	81.30	13.75	9.90
Node 326	101.30	13.75	9.90
Node 327	121.30	13.75	9.90
Node 328	141.30	13.75	9.90
Node 329	81.30	12.50	9.38
Node 330	101.30	12.50	9.38
Node 331	121.30	12.50	9.38
Node 332	141.30	12.50	9.38
Node 333	66.30	8.75	7.96
Node 334	86.30	8.75	7.96
Node 335	106.30	8.75	7.96
Node 336	126.30	8.75	7.96
Node 337	66.30	7.50	7.59
Node 338	86.30	7.50	7.59
Node 339	106.30	7.50	7.59
Node 340	126.30	7.50	7.59
Node 341	71.30	8.75	7.96
Node 342	91.30	8.75	7.96
Node 343	111.30	8.75	7.96
Node 344	131.30	8.75	7.96
Node 345	71.30	7.50	7.59
Node 346	91.30	7.50	7.59

Node 1054	141.30	15.00	10.99
Node 1055	141.30	16.25	11.42
Node 1056	61.30	3.75	7.23
Node 1057	66.30	3.75	7.23
Node 1058	81.30	3.75	7.23
Node 1059	86.30	3.75	7.23
Node 1060	101.30	3.75	7.23
Node 1061	106.30	3.75	7.23
Node 1062	121.30	3.75	7.23
Node 1063	126.30	3.75	7.23
Node 1064	61.30	2.50	7.06
Node 1065	66.30	2.50	7.06
Node 1066	81.30	2.50	7.06
Node 1067	86.30	2.50	7.06
Node 1068	101.30	2.50	7.06
Node 1069	106.30	2.50	7.06
Node 1070	121.30	2.50	7.06
Node 1071	126.30	2.50	7.06
Node 1072	61.30	-3.75	6.79
Node 1073	61.30	-5.00	6.81
Node 1074	66.30	-5.00	6.81
Node 1075	66.30	-3.75	6.79
Node 1076	81.30	-3.75	6.79
Node 1077	81.30	-5.00	6.81
Node 1078	86.30	-5.00	6.81
Node 1079	86.30	-3.75	6.79
Node 1080	101.30	-3.75	6.79
Node 1081	101.30	-5.00	6.81
Node 1082	106.30	-5.00	6.81
Node 1083	106.30	-3.75	6.79
Node 1084	121.30	-3.75	6.79
Node 1085	121.30	-5.00	6.81
Node 1086	126.30	-5.00	6.81
Node 1087	126.30	-3.75	6.79
Node 1088	61.30	-2.50	6.76
Node 1089	66.30	-2.50	6.76
Node 1090	81.30	-2.50	6.76
Node 1091	86.30	-2.50	6.76
Node 1092	101.30	-2.50	6.76
Node 1093	106.30	-2.50	6.76
Node 1094	121.30	-2.50	6.76
Node 1095	126.30	-2.50	6.76
Node 1096	61.30	13.75	10.46
Node 1097	66.30	13.75	10.46
Node 1098	81.30	13.75	10.46
Node 1099	86.30	13.75	10.46
Node 1100	101.30	13.75	10.46
Node 1101	106.30	13.75	10.46
Node 1102	121.30	13.75	10.46
Node 1103	126.30	13.75	10.46

Node 347	111.30	7.50	7.59
Node 348	131.30	7.50	7.59
Node 349	76.30	8.75	7.96
Node 350	96.30	8.75	7.96
Node 351	116.30	8.75	7.96
Node 352	136.30	8.75	7.96
Node 353	76.30	7.50	7.59
Node 354	96.30	7.50	7.59
Node 355	116.30	7.50	7.59
Node 356	136.30	7.50	7.59
Node 357	81.30	8.75	7.96
Node 358	101.30	8.75	7.96
Node 359	121.30	8.75	7.96
Node 360	141.30	8.75	7.96
Node 361	81.30	7.50	7.59
Node 362	101.30	7.50	7.59
Node 363	121.30	7.50	7.59
Node 364	141.30	7.50	7.59
Node 365	66.30	18.75	11.72
Node 366	86.30	18.75	11.72
Node 367	106.30	18.75	11.72
Node 368	126.30	18.75	11.72
Node 369	66.30	17.50	11.29
Node 370	86.30	17.50	11.29
Node 371	106.30	17.50	11.29
Node 372	126.30	17.50	11.29
Node 373	71.30	18.75	11.72
Node 374	91.30	18.75	11.72
Node 375	111.30	18.75	11.72
Node 376	131.30	18.75	11.72
Node 377	71.30	17.50	11.29
Node 378	91.30	17.50	11.29
Node 379	111.30	17.50	11.29
Node 380	131.30	17.50	11.29
Node 381	76.30	18.75	11.72
Node 382	96.30	18.75	11.72
Node 383	116.30	18.75	11.72
Node 384	136.30	18.75	11.72
Node 385	76.30	17.50	11.29
Node 386	96.30	17.50	11.29
Node 387	116.30	17.50	11.29
Node 388	136.30	17.50	11.29
Node 389	81.30	18.75	11.72
Node 390	101.30	18.75	11.72
Node 391	121.30	18.75	11.72
Node 392	141.30	18.75	11.72
Node 393	81.30	17.50	11.29
Node 394	101.30	17.50	11.29
Node 395	121.30	17.50	11.29
Node 396	141.30	17.50	11.29

Node 1104	61.30	12.50	9.94
Node 1105	66.30	12.50	9.94
Node 1106	81.30	12.50	9.94
Node 1107	86.30	12.50	9.94
Node 1108	101.30	12.50	9.94
Node 1109	106.30	12.50	9.94
Node 1110	121.30	12.50	9.94
Node 1111	126.30	12.50	9.94
Node 1112	61.30	8.75	8.52
Node 1113	66.30	8.75	8.52
Node 1114	81.30	8.75	8.52
Node 1115	86.30	8.75	8.52
Node 1116	101.30	8.75	8.52
Node 1117	106.30	8.75	8.52
Node 1118	121.30	8.75	8.52
Node 1119	126.30	8.75	8.52
Node 1120	61.30	7.50	8.15
Node 1121	66.30	7.50	8.15
Node 1122	81.30	7.50	8.15
Node 1123	86.30	7.50	8.15
Node 1124	101.30	7.50	8.15
Node 1125	106.30	7.50	8.15
Node 1126	121.30	7.50	8.15
Node 1127	126.30	7.50	8.15
Node 1128	61.30	20.00	12.71
Node 1129	61.30	18.75	12.28
Node 1130	66.30	18.75	12.28
Node 1131	66.30	20.00	12.71
Node 1132	81.30	20.00	12.71
Node 1133	81.30	18.75	12.28
Node 1134	86.30	18.75	12.28
Node 1135	86.30	20.00	12.71
Node 1136	101.30	20.00	12.71
Node 1137	101.30	18.75	12.28
Node 1138	106.30	18.75	12.28
Node 1139	106.30	20.00	12.71
Node 1140	121.30	20.00	12.71
Node 1141	121.30	18.75	12.28
Node 1142	126.30	18.75	12.28
Node 1143	126.30	20.00	12.71
Node 1144	61.30	17.50	11.85
Node 1145	66.30	17.50	11.85
Node 1146	81.30	17.50	11.85
Node 1147	86.30	17.50	11.85
Node 1148	101.30	17.50	11.85
Node 1149	106.30	17.50	11.85
Node 1150	121.30	17.50	11.85
Node 1151	126.30	17.50	11.85
Node 1152	71.30	3.75	7.23
Node 1153	91.30	3.75	7.23

Node 397	81.30	-5.00	6.80
Node 398	101.30	-5.00	6.80
Node 399	121.30	-5.00	6.80
Node 400	141.30	-5.00	6.80
Node 401	66.30	-5.00	6.80
Node 402	86.30	-5.00	6.80
Node 403	106.30	-5.00	6.80
Node 404	126.30	-5.00	6.80
Node 405	71.30	-5.00	6.80
Node 406	91.30	-5.00	6.80
Node 407	111.30	-5.00	6.80
Node 408	131.30	-5.00	6.80
Node 409	76.30	-5.00	6.80
Node 410	96.30	-5.00	6.80
Node 411	116.30	-5.00	6.80
Node 412	136.30	-5.00	6.80
Node 413	81.30	10.00	8.89
Node 414	101.30	10.00	8.89
Node 415	121.30	10.00	8.89
Node 416	141.30	10.00	8.89
Node 417	66.30	10.00	8.89
Node 418	86.30	10.00	8.89
Node 419	106.30	10.00	8.89
Node 420	126.30	10.00	8.89
Node 421	71.30	10.00	8.89
Node 422	91.30	10.00	8.89
Node 423	111.30	10.00	8.89
Node 424	131.30	10.00	8.89
Node 425	76.30	10.00	8.89
Node 426	96.30	10.00	8.89
Node 427	116.30	10.00	8.89
Node 428	136.30	10.00	8.89
Node 429	81.30	5.00	7.39
Node 430	101.30	5.00	7.39
Node 431	121.30	5.00	7.39
Node 432	141.30	5.00	7.39
Node 433	66.30	5.00	7.39
Node 434	86.30	5.00	7.39
Node 435	106.30	5.00	7.39
Node 436	126.30	5.00	7.39
Node 437	71.30	5.00	7.39
Node 438	91.30	5.00	7.39
Node 439	111.30	5.00	7.39
Node 440	131.30	5.00	7.39
Node 441	76.30	5.00	7.39
Node 442	96.30	5.00	7.39
Node 443	116.30	5.00	7.39
Node 444	136.30	5.00	7.39
Node 445	81.30	15.00	10.98
Node 446	101.30	15.00	10.98

Node 1154	111.30	3.75	7.23
Node 1155	131.30	3.75	7.23
Node 1156	71.30	2.50	7.06
Node 1157	91.30	2.50	7.06
Node 1158	111.30	2.50	7.06
Node 1159	131.30	2.50	7.06
Node 1160	76.30	3.75	7.23
Node 1161	96.30	3.75	7.23
Node 1162	116.30	3.75	7.23
Node 1163	136.30	3.75	7.23
Node 1164	76.30	2.50	7.06
Node 1165	96.30	2.50	7.06
Node 1166	116.30	2.50	7.06
Node 1167	136.30	2.50	7.06
Node 1168	141.30	3.75	7.23
Node 1169	141.30	2.50	7.06
Node 1170	71.30	-5.00	6.81
Node 1171	71.30	-3.75	6.79
Node 1172	91.30	-5.00	6.81
Node 1173	91.30	-3.75	6.79
Node 1174	111.30	-5.00	6.81
Node 1175	111.30	-3.75	6.79
Node 1176	131.30	-5.00	6.81
Node 1177	131.30	-3.75	6.79
Node 1178	71.30	-2.50	6.76
Node 1179	91.30	-2.50	6.76
Node 1180	111.30	-2.50	6.76
Node 1181	131.30	-2.50	6.76
Node 1182	76.30	-5.00	6.81
Node 1183	76.30	-3.75	6.79
Node 1184	96.30	-5.00	6.81
Node 1185	96.30	-3.75	6.79
Node 1186	116.30	-5.00	6.81
Node 1187	116.30	-3.75	6.79
Node 1188	136.30	-5.00	6.81
Node 1189	136.30	-3.75	6.79
Node 1190	76.30	-2.50	6.76
Node 1191	96.30	-2.50	6.76
Node 1192	116.30	-2.50	6.76
Node 1193	136.30	-2.50	6.76
Node 1194	141.30	-5.00	6.81
Node 1195	141.30	-3.75	6.79
Node 1196	141.30	-2.50	6.76
Node 1197	71.30	13.75	10.46
Node 1198	91.30	13.75	10.46
Node 1199	111.30	13.75	10.46
Node 1200	131.30	13.75	10.46
Node 1201	71.30	12.50	9.94
Node 1202	91.30	12.50	9.94
Node 1203	111.30	12.50	9.94

Node 447	121.30	15.00	10.98
Node 448	141.30	15.00	10.98
Node 449	66.30	15.00	10.98
Node 450	86.30	15.00	10.98
Node 451	106.30	15.00	10.98
Node 452	126.30	15.00	10.98
Node 453	71.30	15.00	10.98
Node 454	91.30	15.00	10.98
Node 455	111.30	15.00	10.98
Node 456	131.30	15.00	10.98
Node 457	76.30	15.00	10.98
Node 458	96.30	15.00	10.98
Node 459	116.30	15.00	10.98
Node 460	136.30	15.00	10.98
Node 461	81.30	3.75	7.22
Node 462	101.30	3.75	7.22
Node 463	121.30	3.75	7.22
Node 464	141.30	3.75	7.22
Node 465	66.30	3.75	7.22
Node 466	86.30	3.75	7.22
Node 467	106.30	3.75	7.22
Node 468	126.30	3.75	7.22
Node 469	71.30	3.75	7.22
Node 470	91.30	3.75	7.22
Node 471	111.30	3.75	7.22
Node 472	131.30	3.75	7.22
Node 473	76.30	3.75	7.22
Node 474	96.30	3.75	7.22
Node 475	116.30	3.75	7.22
Node 476	136.30	3.75	7.22
Node 477	81.30	2.50	7.05
Node 478	101.30	2.50	7.05
Node 479	121.30	2.50	7.05
Node 480	141.30	2.50	7.05
Node 481	66.30	2.50	7.05
Node 482	86.30	2.50	7.05
Node 483	106.30	2.50	7.05
Node 484	126.30	2.50	7.05
Node 485	71.30	2.50	7.05
Node 486	91.30	2.50	7.05
Node 487	111.30	2.50	7.05
Node 488	131.30	2.50	7.05
Node 489	76.30	2.50	7.05
Node 490	96.30	2.50	7.05
Node 491	116.30	2.50	7.05
Node 492	136.30	2.50	7.05
Node 493	81.30	1.25	6.87
Node 494	101.30	1.25	6.87
Node 495	121.30	1.25	6.87
Node 496	141.30	1.25	6.87

Node 1204	131.30	12.50	9.94
Node 1205	76.30	13.75	10.46
Node 1206	96.30	13.75	10.46
Node 1207	116.30	13.75	10.46
Node 1208	136.30	13.75	10.46
Node 1209	76.30	12.50	9.94
Node 1210	96.30	12.50	9.94
Node 1211	116.30	12.50	9.94
Node 1212	136.30	12.50	9.94
Node 1213	141.30	13.75	10.46
Node 1214	141.30	12.50	9.94
Node 1215	71.30	8.75	8.52
Node 1216	91.30	8.75	8.52
Node 1217	111.30	8.75	8.52
Node 1218	131.30	8.75	8.52
Node 1219	71.30	7.50	8.15
Node 1220	91.30	7.50	8.15
Node 1221	111.30	7.50	8.15
Node 1222	131.30	7.50	8.15
Node 1223	76.30	8.75	8.52
Node 1224	96.30	8.75	8.52
Node 1225	116.30	8.75	8.52
Node 1226	136.30	8.75	8.52
Node 1227	76.30	7.50	8.15
Node 1228	96.30	7.50	8.15
Node 1229	116.30	7.50	8.15
Node 1230	136.30	7.50	8.15
Node 1231	141.30	8.75	8.52
Node 1232	141.30	7.50	8.15
Node 1233	71.30	18.75	12.28
Node 1234	71.30	20.00	12.71
Node 1235	91.30	18.75	12.28
Node 1236	91.30	20.00	12.71
Node 1237	111.30	18.75	12.28
Node 1238	111.30	20.00	12.71
Node 1239	131.30	18.75	12.28
Node 1240	131.30	20.00	12.71
Node 1241	71.30	17.50	11.85
Node 1242	91.30	17.50	11.85
Node 1243	111.30	17.50	11.85
Node 1244	131.30	17.50	11.85
Node 1245	76.30	18.75	12.28
Node 1246	76.30	20.00	12.71
Node 1247	96.30	18.75	12.28
Node 1248	96.30	20.00	12.71
Node 1249	116.30	18.75	12.28
Node 1250	116.30	20.00	12.71
Node 1251	136.30	18.75	12.28
Node 1252	136.30	20.00	12.71
Node 1253	76.30	17.50	11.85

Node 497	66.30	1.25	6.87
Node 498	86.30	1.25	6.87
Node 499	106.30	1.25	6.87
Node 500	126.30	1.25	6.87
Node 501	71.30	1.25	6.87
Node 502	91.30	1.25	6.87
Node 503	111.30	1.25	6.87
Node 504	131.30	1.25	6.87
Node 505	76.30	1.25	6.87
Node 506	96.30	1.25	6.87
Node 507	116.30	1.25	6.87
Node 508	136.30	1.25	6.87
Node 509	81.30	-3.75	6.78
Node 510	101.30	-3.75	6.78
Node 511	121.30	-3.75	6.78
Node 512	141.30	-3.75	6.78
Node 513	66.30	-3.75	6.78
Node 514	86.30	-3.75	6.78
Node 515	106.30	-3.75	6.78
Node 516	126.30	-3.75	6.78
Node 517	71.30	-3.75	6.78
Node 518	91.30	-3.75	6.78
Node 519	111.30	-3.75	6.78
Node 520	131.30	-3.75	6.78
Node 521	76.30	-3.75	6.78
Node 522	96.30	-3.75	6.78
Node 523	116.30	-3.75	6.78
Node 524	136.30	-3.75	6.78
Node 525	81.30	-2.50	6.75
Node 526	101.30	-2.50	6.75
Node 527	121.30	-2.50	6.75
Node 528	141.30	-2.50	6.75
Node 529	66.30	-2.50	6.75
Node 530	86.30	-2.50	6.75
Node 531	106.30	-2.50	6.75
Node 532	126.30	-2.50	6.75
Node 533	71.30	-2.50	6.75
Node 534	91.30	-2.50	6.75
Node 535	111.30	-2.50	6.75
Node 536	131.30	-2.50	6.75
Node 537	76.30	-2.50	6.75
Node 538	96.30	-2.50	6.75
Node 539	116.30	-2.50	6.75
Node 540	136.30	-2.50	6.75
Node 541	81.30	-1.25	6.73
Node 542	101.30	-1.25	6.73
Node 543	121.30	-1.25	6.73
Node 544	141.30	-1.25	6.73
Node 545	66.30	-1.25	6.73
Node 546	86.30	-1.25	6.73

Node 1254	96.30	17.50	11.85
Node 1255	116.30	17.50	11.85
Node 1256	136.30	17.50	11.85
Node 1257	141.30	18.75	12.28
Node 1258	141.30	20.00	12.71
Node 1259	141.30	17.50	11.85
Node 1260	61.30	23.75	13.22
Node 1261	61.30	22.50	12.86
Node 1262	61.30	21.25	12.51
Node 1263	61.30	23.75	13.77
Node 1264	61.30	22.50	13.41
Node 1265	61.30	21.25	13.06
Node 1266	136.30	17.50	11.20
Node 1267	66.30	23.75	13.22
Node 1268	66.30	22.50	12.86
Node 1269	86.30	23.75	13.22
Node 1270	86.30	22.50	12.86
Node 1271	106.30	23.75	13.22
Node 1272	106.30	22.50	12.86
Node 1273	126.30	23.75	13.22
Node 1274	126.30	22.50	12.86
Node 1275	66.30	21.25	12.51
Node 1276	86.30	21.25	12.51
Node 1277	106.30	21.25	12.51
Node 1278	126.30	21.25	12.51
Node 1279	71.30	23.75	13.22
Node 1280	71.30	22.50	12.86
Node 1281	91.30	23.75	13.22
Node 1282	91.30	22.50	12.86
Node 1283	111.30	23.75	13.22
Node 1284	111.30	22.50	12.86
Node 1285	131.30	23.75	13.22
Node 1286	131.30	22.50	12.86
Node 1287	71.30	21.25	12.51
Node 1288	91.30	21.25	12.51
Node 1289	111.30	21.25	12.51
Node 1290	131.30	21.25	12.51
Node 1291	76.30	23.75	13.22
Node 1292	76.30	22.50	12.86
Node 1293	96.30	23.75	13.22
Node 1294	96.30	22.50	12.86
Node 1295	116.30	23.75	13.22
Node 1296	116.30	22.50	12.86
Node 1297	136.30	23.75	13.22
Node 1298	136.30	22.50	12.86
Node 1299	76.30	21.25	12.51
Node 1300	96.30	21.25	12.51
Node 1301	116.30	21.25	12.51
Node 1302	136.30	21.25	12.51
Node 1303	81.30	23.75	13.22

Node 547	106.30	-1.25	6.73
Node 548	126.30	-1.25	6.73
Node 549	71.30	-1.25	6.73
Node 550	91.30	-1.25	6.73
Node 551	111.30	-1.25	6.73
Node 552	131.30	-1.25	6.73
Node 553	76.30	-1.25	6.73
Node 554	96.30	-1.25	6.73
Node 555	116.30	-1.25	6.73
Node 556	136.30	-1.25	6.73
Node 557	81.30	13.75	10.45
Node 558	101.30	13.75	10.45
Node 559	121.30	13.75	10.45
Node 560	141.30	13.75	10.45
Node 561	66.30	13.75	10.45
Node 562	86.30	13.75	10.45
Node 563	106.30	13.75	10.45
Node 564	126.30	13.75	10.45
Node 565	71.30	13.75	10.45
Node 566	91.30	13.75	10.45
Node 567	111.30	13.75	10.45
Node 568	131.30	13.75	10.45
Node 569	76.30	13.75	10.45
Node 570	96.30	13.75	10.45
Node 571	116.30	13.75	10.45
Node 572	136.30	13.75	10.45
Node 573	81.30	12.50	9.93
Node 574	101.30	12.50	9.93
Node 575	121.30	12.50	9.93
Node 576	141.30	12.50	9.93
Node 577	66.30	12.50	9.93
Node 578	86.30	12.50	9.93
Node 579	106.30	12.50	9.93
Node 580	126.30	12.50	9.93
Node 581	71.30	12.50	9.93
Node 582	91.30	12.50	9.93
Node 583	111.30	12.50	9.93
Node 584	131.30	12.50	9.93
Node 585	76.30	12.50	9.93
Node 586	96.30	12.50	9.93
Node 587	116.30	12.50	9.93
Node 588	136.30	12.50	9.93
Node 589	81.30	11.25	9.41
Node 590	101.30	11.25	9.41
Node 591	121.30	11.25	9.41
Node 592	141.30	11.25	9.41
Node 593	66.30	11.25	9.41
Node 594	86.30	11.25	9.41
Node 595	106.30	11.25	9.41
Node 596	126.30	11.25	9.41

Node 1304	81.30	22.50	12.86
Node 1305	101.30	23.75	13.22
Node 1306	101.30	22.50	12.86
Node 1307	121.30	23.75	13.22
Node 1308	121.30	22.50	12.86
Node 1309	141.30	23.75	13.22
Node 1310	141.30	22.50	12.86
Node 1311	81.30	21.25	12.51
Node 1312	101.30	21.25	12.51
Node 1313	121.30	21.25	12.51
Node 1314	141.30	21.25	12.51
Node 1315	66.30	22.50	13.41
Node 1316	81.30	22.50	13.41
Node 1317	86.30	22.50	13.41
Node 1318	101.30	22.50	13.41
Node 1319	106.30	22.50	13.41
Node 1320	121.30	22.50	13.41
Node 1321	126.30	22.50	13.41
Node 1322	71.30	22.50	13.41
Node 1323	91.30	22.50	13.41
Node 1324	111.30	22.50	13.41
Node 1325	131.30	22.50	13.41
Node 1326	76.30	22.50	13.41
Node 1327	96.30	22.50	13.41
Node 1328	116.30	22.50	13.41
Node 1329	136.30	22.50	13.41
Node 1330	141.30	22.50	13.41
Node 1331	66.30	21.25	13.06
Node 1332	81.30	21.25	13.06
Node 1333	86.30	21.25	13.06
Node 1334	101.30	21.25	13.06
Node 1335	106.30	21.25	13.06
Node 1336	121.30	21.25	13.06
Node 1337	126.30	21.25	13.06
Node 1338	71.30	21.25	13.06
Node 1339	91.30	21.25	13.06
Node 1340	111.30	21.25	13.06
Node 1341	131.30	21.25	13.06
Node 1342	76.30	21.25	13.06
Node 1343	96.30	21.25	13.06
Node 1344	116.30	21.25	13.06
Node 1345	136.30	21.25	13.06
Node 1346	141.30	21.25	13.06
Node 1347	66.30	23.75	13.77
Node 1348	81.30	23.75	13.77
Node 1349	86.30	23.75	13.77
Node 1350	101.30	23.75	13.77
Node 1351	106.30	23.75	13.77
Node 1352	121.30	23.75	13.77
Node 1353	126.30	23.75	13.77

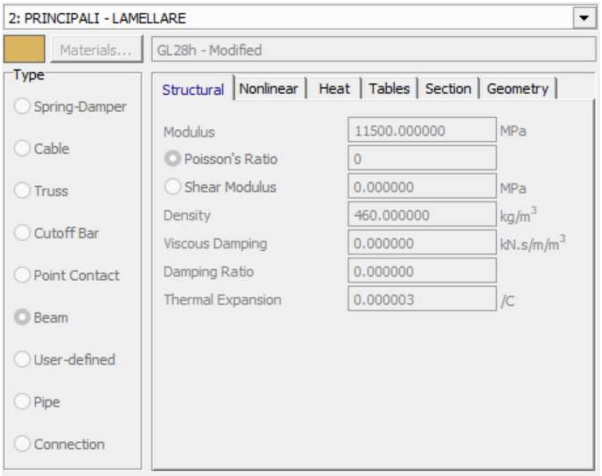
Node 597	71.30	11.25	9.41
Node 598	91.30	11.25	9.41
Node 599	111.30	11.25	9.41
Node 600	131.30	11.25	9.41
Node 601	76.30	11.25	9.41
Node 602	96.30	11.25	9.41
Node 603	116.30	11.25	9.41
Node 604	136.30	11.25	9.41
Node 605	81.30	8.75	8.51
Node 606	101.30	8.75	8.51
Node 607	121.30	8.75	8.51
Node 608	141.30	8.75	8.51
Node 609	66.30	8.75	8.51
Node 610	86.30	8.75	8.51
Node 611	106.30	8.75	8.51
Node 612	126.30	8.75	8.51
Node 613	71.30	8.75	8.51
Node 614	91.30	8.75	8.51
Node 615	111.30	8.75	8.51
Node 616	131.30	8.75	8.51
Node 617	76.30	8.75	8.51
Node 618	96.30	8.75	8.51
Node 619	116.30	8.75	8.51
Node 620	136.30	8.75	8.51
Node 621	81.30	7.50	8.14
Node 622	101.30	7.50	8.14
Node 623	121.30	7.50	8.14
Node 624	141.30	7.50	8.14
Node 625	66.30	7.50	8.14
Node 626	86.30	7.50	8.14
Node 627	106.30	7.50	8.14
Node 628	126.30	7.50	8.14
Node 629	71.30	7.50	8.14
Node 630	91.30	7.50	8.14
Node 631	111.30	7.50	8.14
Node 632	131.30	7.50	8.14
Node 633	76.30	7.50	8.14
Node 634	96.30	7.50	8.14
Node 635	116.30	7.50	8.14
Node 636	136.30	7.50	8.14
Node 637	81.30	6.25	7.77
Node 638	101.30	6.25	7.77
Node 639	121.30	6.25	7.77
Node 640	141.30	6.25	7.77
Node 641	66.30	6.25	7.77
Node 642	86.30	6.25	7.77
Node 643	106.30	6.25	7.77
Node 644	126.30	6.25	7.77
Node 645	71.30	6.25	7.77
Node 646	91.30	6.25	7.77

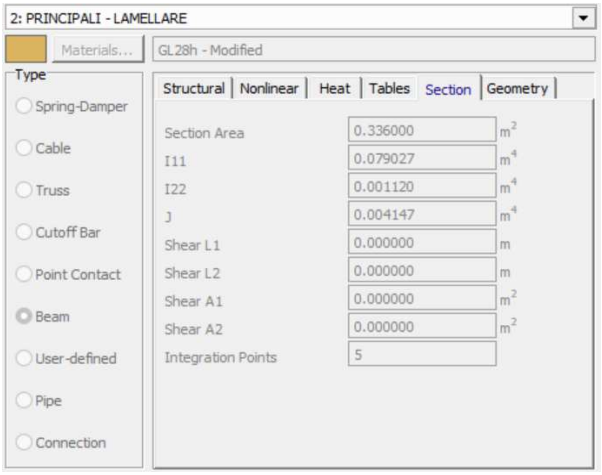
Node 1354	71.30	23.75	13.77
Node 1355	91.30	23.75	13.77
Node 1356	111.30	23.75	13.77
Node 1357	131.30	23.75	13.77
Node 1358	76.30	23.75	13.77
Node 1359	96.30	23.75	13.77
Node 1360	116.30	23.75	13.77
Node 1361	136.30	23.75	13.77
Node 1362	141.30	23.75	13.77
Node 1363	61.30	22.50	13.42
Node 1364	66.30	22.50	13.42
Node 1365	86.30	22.50	13.42
Node 1366	106.30	22.50	13.42
Node 1367	126.30	22.50	13.42
Node 1368	61.30	21.25	13.07
Node 1369	81.30	21.25	13.07
Node 1370	101.30	21.25	13.07
Node 1371	106.30	21.25	13.07
Node 1372	121.30	21.25	13.07
Node 1373	126.30	21.25	13.07
Node 1374	71.30	22.50	13.42
Node 1375	91.30	22.50	13.42
Node 1376	111.30	22.50	13.42
Node 1377	91.30	21.25	13.07
Node 1378	111.30	21.25	13.07
Node 1379	131.30	21.25	13.07
Node 1380	116.30	22.50	13.42
Node 1381	136.30	22.50	13.42
Node 1382	76.30	21.25	13.07
Node 1383	141.30	22.50	13.42
Node 1384	61.30	23.75	13.78
Node 1385	66.30	23.75	13.78
Node 1386	81.30	23.75	13.78
Node 1387	81.30	22.50	13.42
Node 1388	86.30	23.75	13.78
Node 1389	101.30	23.75	13.78
Node 1390	101.30	22.50	13.42
Node 1391	106.30	23.75	13.78
Node 1392	121.30	23.75	13.78
Node 1393	121.30	22.50	13.42
Node 1394	126.30	23.75	13.78
Node 1395	66.30	21.25	13.07
Node 1396	86.30	21.25	13.07
Node 1397	71.30	23.75	13.78
Node 1398	91.30	23.75	13.78
Node 1399	111.30	23.75	13.78
Node 1400	131.30	22.50	13.42
Node 1401	131.30	23.75	13.78
Node 1402	71.30	21.25	13.07
Node 1403	76.30	22.50	13.42

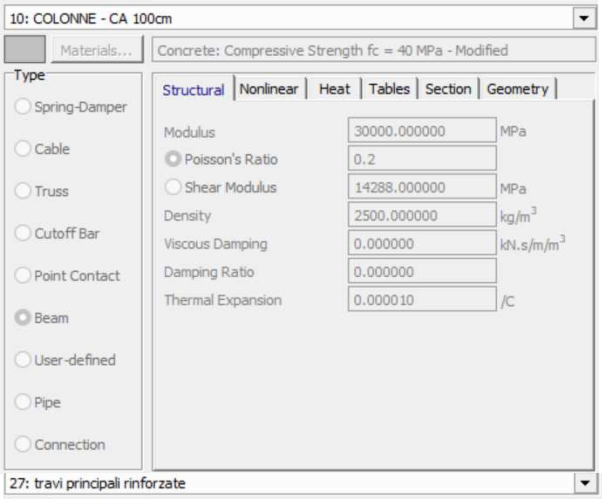
Node 647	111.30	6.25	7.77
Node 648	131.30	6.25	7.77
Node 649	76.30	6.25	7.77
Node 650	96.30	6.25	7.77
Node 651	116.30	6.25	7.77
Node 652	136.30	6.25	7.77
Node 653	81.30	18.75	12.27
Node 654	101.30	18.75	12.27
Node 655	121.30	18.75	12.27
Node 656	141.30	18.75	12.27
Node 657	66.30	18.75	12.27
Node 658	86.30	18.75	12.27
Node 659	106.30	18.75	12.27
Node 660	126.30	18.75	12.27
Node 661	71.30	18.75	12.27
Node 662	91.30	18.75	12.27
Node 663	111.30	18.75	12.27
Node 664	131.30	18.75	12.27
Node 665	76.30	18.75	12.27
Node 666	96.30	18.75	12.27
Node 667	116.30	18.75	12.27
Node 668	136.30	18.75	12.27
Node 669	81.30	17.50	11.84
Node 670	101.30	17.50	11.84
Node 671	121.30	17.50	11.84
Node 672	141.30	17.50	11.84
Node 673	66.30	17.50	11.84
Node 674	86.30	17.50	11.84
Node 675	106.30	17.50	11.84
Node 676	126.30	17.50	11.84
Node 677	71.30	17.50	11.84
Node 678	91.30	17.50	11.84
Node 679	111.30	17.50	11.84
Node 680	131.30	17.50	11.84
Node 681	76.30	17.50	11.84
Node 682	96.30	17.50	11.84
Node 683	116.30	17.50	11.84
Node 684	136.30	17.50	11.84
Node 685	81.30	16.25	11.41
Node 686	101.30	16.25	11.41
Node 687	121.30	16.25	11.41
Node 688	141.30	16.25	11.41
Node 689	66.30	16.25	11.41
Node 690	86.30	16.25	11.41
Node 691	106.30	16.25	11.41
Node 692	126.30	16.25	11.41
Node 693	71.30	16.25	11.41

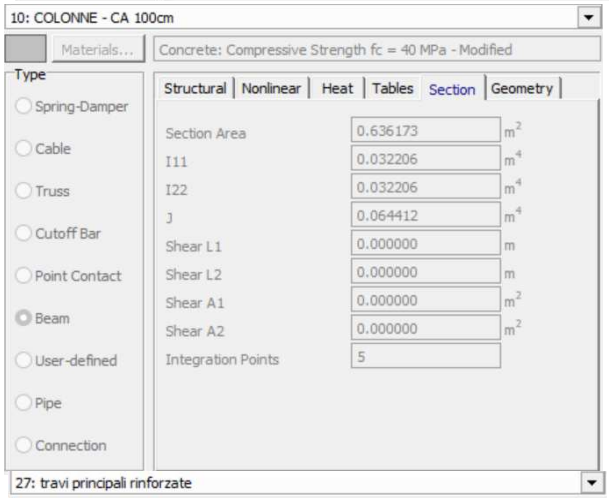
Node 1404	76.30	23.75	13.78
Node 1405	96.30	22.50	13.42
Node 1406	96.30	23.75	13.78
Node 1407	116.30	23.75	13.78
Node 1408	136.30	23.75	13.78
Node 1409	96.30	21.25	13.07
Node 1410	116.30	21.25	13.07
Node 1411	136.30	21.25	13.07
Node 1412	141.30	23.75	13.78
Node 1413	141.30	21.25	13.07

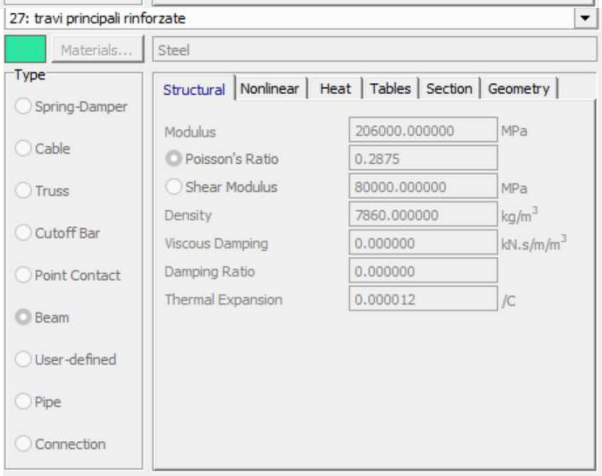
Proprietà delle sezioni utilizzate

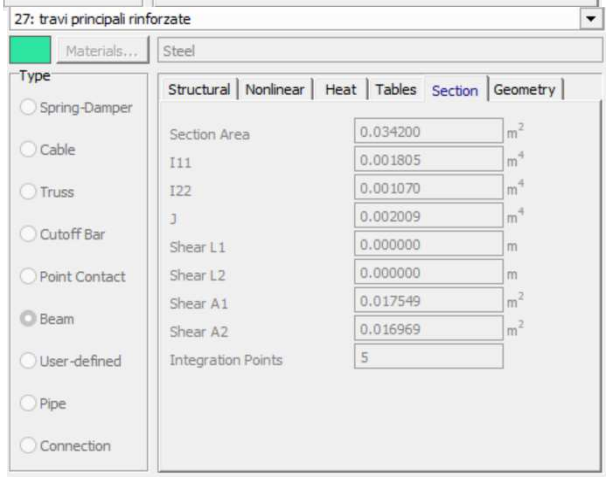












3: PRINCIPALI - ACCIAIO

Materials... | Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	206000.000000	MPa
Poisson's Ratio	0.2875	
Shear Modulus	80000.000000	MPa
Density	7860.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000012	/C

3: PRINCIPALI - ACCIAIO

Materials... | Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.026700	m^2
I11	0.001410	m^4
I22	0.000861	m^4
J	0.001606	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.013246	m^2
Shear A2	0.013651	m^2
Integration Points	5	

5: ARCARECCI - LAMELLARE

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

5: ARCARECCI - LAMELLARE

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032000	m^2
I11	0.000107	m^4
I22	0.000068	m^4
J	0.000145	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.000000	m^2
Shear A2	0.000000	m^2
Integration Points	5	

8: CONTROVENTI

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Include Torsional Stiffness		
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

8: CONTROVENTI

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032400	m^2
J	0.000148	m^4
Integration Points	5	

Definizione delle aste

	Type	Property	ID	Angle	N1	N2
				(deg)		
Beam 1	Beam2	2: PRINCIPALI - LAMELLARE	0	90	4	5
Beam 2	Beam2	2: PRINCIPALI - LAMELLARE	0	90	6	5
Beam 3	Beam2	2: PRINCIPALI - LAMELLARE	0	90	7	8
Beam 4	Beam2	2: PRINCIPALI - LAMELLARE	0	90	9	10
Beam 5	Beam2	2: PRINCIPALI - LAMELLARE	0	90	11	12
Beam 6	Beam2	2: PRINCIPALI - LAMELLARE	0	90	10	13
Beam 7	Beam2	2: PRINCIPALI - LAMELLARE	0	90	13	14
Beam 8	Beam2	2: PRINCIPALI - LAMELLARE	0	90	14	4
Beam 9	Beam2	2: PRINCIPALI - LAMELLARE	0	90	15	16
Beam 10	Beam2	2: PRINCIPALI - LAMELLARE	0	90	16	17
Beam 11	Beam2	2: PRINCIPALI - LAMELLARE	0	90	17	6
Beam 12	Beam2	2: PRINCIPALI - LAMELLARE	0	90	12	18
Beam 13	Beam2	2: PRINCIPALI - LAMELLARE	0	90	18	19
Beam 14	Beam2	2: PRINCIPALI - LAMELLARE	0	90	19	7
Beam 15	Beam2	2: PRINCIPALI - LAMELLARE	0	90	8	20
Beam 16	Beam2	2: PRINCIPALI - LAMELLARE	0	90	20	21
Beam 17	Beam2	2: PRINCIPALI - LAMELLARE	0	90	21	9
Beam 18	Beam2	2: PRINCIPALI - LAMELLARE	0	90	3	22
Beam 19	Beam2	2: PRINCIPALI - LAMELLARE	0	90	22	23
Beam 20	Beam2	2: PRINCIPALI - LAMELLARE	0	90	23	11
Beam 21	Beam2	4: FICT 1	0	0	3	43
Beam 22	Beam2	4: FICT 1	0	0	4	30
Beam 23	Beam2	4: FICT 1	0	0	5	44
Beam 24	Beam2	4: FICT 1	0	0	6	33
Beam 25	Beam2	4: FICT 1	0	0	7	36
Beam 26	Beam2	4: FICT 1	0	0	8	25
Beam 27	Beam2	4: FICT 1	0	0	9	39
Beam 28	Beam2	4: FICT 1	0	0	10	26
Beam 29	Beam2	4: FICT 1	0	0	11	42
Beam 30	Beam2	4: FICT 1	0	0	12	27
Beam 31	Beam2	4: FICT 1	0	0	13	28
Beam 32	Beam2	4: FICT 1	0	0	14	29
Beam 33	Beam2	4: FICT 1	0	0	15	24
Beam 34	Beam2	4: FICT 1	0	0	16	31
Beam 35	Beam2	4: FICT 1	0	0	17	32
Beam 36	Beam2	4: FICT 1	0	0	18	34
Beam 37	Beam2	4: FICT 1	0	0	19	35
Beam 38	Beam2	4: FICT 1	0	0	20	37
Beam 39	Beam2	4: FICT 1	0	0	21	38
Beam 40	Beam2	4: FICT 1	0	0	22	40
Beam 41	Beam2	4: FICT 1	0	0	23	41
Beam 42	Beam2	6: FICT 2	0	0	45	47
Beam 43	Beam2	6: FICT 2	0	0	46	48
Beam 44	Beam2	6: FICT 2	0	0	45	49

Beam 45	Beam2	6: FICT 2	0	0	46	50
Beam 46	Beam2	4: FICT 1	0	0	3	49
Beam 47	Beam2	4: FICT 1	0	0	5	50
Beam 50	Beam2	2: PRINCIPALI - LAMELLARE	0	90	77	81
Beam 51	Beam2	2: PRINCIPALI - LAMELLARE	0	90	78	82
Beam 52	Beam2	2: PRINCIPALI - LAMELLARE	0	90	79	83
Beam 53	Beam2	2: PRINCIPALI - LAMELLARE	0	90	80	84
Beam 54	Beam2	2: PRINCIPALI - LAMELLARE	0	90	85	89
Beam 55	Beam2	2: PRINCIPALI - LAMELLARE	0	90	86	90
Beam 56	Beam2	2: PRINCIPALI - LAMELLARE	0	90	87	91
Beam 57	Beam2	2: PRINCIPALI - LAMELLARE	0	90	88	92
Beam 58	Beam2	2: PRINCIPALI - LAMELLARE	0	90	93	97
Beam 59	Beam2	2: PRINCIPALI - LAMELLARE	0	90	94	98
Beam 60	Beam2	2: PRINCIPALI - LAMELLARE	0	90	95	99
Beam 61	Beam2	2: PRINCIPALI - LAMELLARE	0	90	96	100
Beam 62	Beam2	2: PRINCIPALI - LAMELLARE	0	90	101	105
Beam 63	Beam2	2: PRINCIPALI - LAMELLARE	0	90	102	106
Beam 64	Beam2	2: PRINCIPALI - LAMELLARE	0	90	103	107
Beam 65	Beam2	2: PRINCIPALI - LAMELLARE	0	90	104	108
Beam 66	Beam2	2: PRINCIPALI - LAMELLARE	0	90	109	81
Beam 67	Beam2	2: PRINCIPALI - LAMELLARE	0	90	110	82
Beam 68	Beam2	2: PRINCIPALI - LAMELLARE	0	90	111	83
Beam 69	Beam2	2: PRINCIPALI - LAMELLARE	0	90	112	84
Beam 70	Beam2	2: PRINCIPALI - LAMELLARE	0	90	113	89
Beam 71	Beam2	2: PRINCIPALI - LAMELLARE	0	90	114	90
Beam 72	Beam2	2: PRINCIPALI - LAMELLARE	0	90	115	91
Beam 73	Beam2	2: PRINCIPALI - LAMELLARE	0	90	116	92
Beam 74	Beam2	2: PRINCIPALI - LAMELLARE	0	90	117	97
Beam 75	Beam2	2: PRINCIPALI - LAMELLARE	0	90	118	98
Beam 76	Beam2	2: PRINCIPALI - LAMELLARE	0	90	119	99
Beam 77	Beam2	2: PRINCIPALI - LAMELLARE	0	90	120	100
Beam 78	Beam2	2: PRINCIPALI - LAMELLARE	0	90	121	105
Beam 79	Beam2	2: PRINCIPALI - LAMELLARE	0	90	122	106
Beam 80	Beam2	2: PRINCIPALI - LAMELLARE	0	90	123	107
Beam 81	Beam2	2: PRINCIPALI - LAMELLARE	0	90	124	108
Beam 82	Beam2	2: PRINCIPALI - LAMELLARE	0	90	125	129
Beam 83	Beam2	2: PRINCIPALI - LAMELLARE	0	90	126	130
Beam 84	Beam2	2: PRINCIPALI - LAMELLARE	0	90	127	131
Beam 85	Beam2	2: PRINCIPALI - LAMELLARE	0	90	128	132
Beam 86	Beam2	2: PRINCIPALI - LAMELLARE	0	90	133	137
Beam 87	Beam2	2: PRINCIPALI - LAMELLARE	0	90	134	138
Beam 88	Beam2	2: PRINCIPALI - LAMELLARE	0	90	135	139
Beam 89	Beam2	2: PRINCIPALI - LAMELLARE	0	90	136	140
Beam 90	Beam2	2: PRINCIPALI - LAMELLARE	0	90	141	145
Beam 91	Beam2	2: PRINCIPALI - LAMELLARE	0	90	142	146
Beam 92	Beam2	2: PRINCIPALI - LAMELLARE	0	90	143	147
Beam 93	Beam2	2: PRINCIPALI - LAMELLARE	0	90	144	148
Beam 94	Beam2	2: PRINCIPALI - LAMELLARE	0	90	149	153
Beam 95	Beam2	2: PRINCIPALI - LAMELLARE	0	90	150	154
Beam 96	Beam2	2: PRINCIPALI - LAMELLARE	0	90	151	155

Beam 97	Beam2	2: PRINCIPALI - LAMELLARE	0	90	152	156
Beam 98	Beam2	2: PRINCIPALI - LAMELLARE	0	90	157	161
Beam 99	Beam2	2: PRINCIPALI - LAMELLARE	0	90	158	162
Beam 100	Beam2	2: PRINCIPALI - LAMELLARE	0	90	159	163
Beam 101	Beam2	2: PRINCIPALI - LAMELLARE	0	90	160	164
Beam 102	Beam2	2: PRINCIPALI - LAMELLARE	0	90	165	169
Beam 103	Beam2	2: PRINCIPALI - LAMELLARE	0	90	166	170
Beam 104	Beam2	2: PRINCIPALI - LAMELLARE	0	90	167	171
Beam 105	Beam2	2: PRINCIPALI - LAMELLARE	0	90	168	172
Beam 106	Beam2	2: PRINCIPALI - LAMELLARE	0	90	173	177
Beam 107	Beam2	2: PRINCIPALI - LAMELLARE	0	90	174	178
Beam 108	Beam2	2: PRINCIPALI - LAMELLARE	0	90	175	179
Beam 109	Beam2	2: PRINCIPALI - LAMELLARE	0	90	176	180
Beam 110	Beam2	2: PRINCIPALI - LAMELLARE	0	90	181	185
Beam 111	Beam2	2: PRINCIPALI - LAMELLARE	0	90	182	186
Beam 112	Beam2	2: PRINCIPALI - LAMELLARE	0	90	183	187
Beam 113	Beam2	2: PRINCIPALI - LAMELLARE	0	90	184	188
Beam 114	Beam2	2: PRINCIPALI - LAMELLARE	0	90	189	193
Beam 115	Beam2	2: PRINCIPALI - LAMELLARE	0	90	190	194
Beam 116	Beam2	2: PRINCIPALI - LAMELLARE	0	90	191	195
Beam 117	Beam2	2: PRINCIPALI - LAMELLARE	0	90	192	196
Beam 118	Beam2	2: PRINCIPALI - LAMELLARE	0	90	197	201
Beam 119	Beam2	2: PRINCIPALI - LAMELLARE	0	90	198	202
Beam 120	Beam2	2: PRINCIPALI - LAMELLARE	0	90	199	203
Beam 121	Beam2	2: PRINCIPALI - LAMELLARE	0	90	200	204
Beam 122	Beam2	2: PRINCIPALI - LAMELLARE	0	90	205	209
Beam 123	Beam2	2: PRINCIPALI - LAMELLARE	0	90	206	210
Beam 124	Beam2	2: PRINCIPALI - LAMELLARE	0	90	207	211
Beam 125	Beam2	2: PRINCIPALI - LAMELLARE	0	90	208	212
Beam 126	Beam2	2: PRINCIPALI - LAMELLARE	0	90	213	217
Beam 127	Beam2	2: PRINCIPALI - LAMELLARE	0	90	214	218
Beam 128	Beam2	2: PRINCIPALI - LAMELLARE	0	90	215	219
Beam 129	Beam2	2: PRINCIPALI - LAMELLARE	0	90	216	220
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	161	221
Beam 131	Beam2	2: PRINCIPALI - LAMELLARE	0	90	162	222
Beam 132	Beam2	2: PRINCIPALI - LAMELLARE	0	90	163	223
Beam 133	Beam2	2: PRINCIPALI - LAMELLARE	0	90	164	224
Beam 134	Beam2	2: PRINCIPALI - LAMELLARE	0	90	221	225
Beam 135	Beam2	2: PRINCIPALI - LAMELLARE	0	90	222	226
Beam 136	Beam2	2: PRINCIPALI - LAMELLARE	0	90	223	227
Beam 137	Beam2	2: PRINCIPALI - LAMELLARE	0	90	224	228
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	225	77
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	226	78
Beam 140	Beam2	2: PRINCIPALI - LAMELLARE	0	90	227	79
Beam 141	Beam2	2: PRINCIPALI - LAMELLARE	0	90	228	80
Beam 142	Beam2	2: PRINCIPALI - LAMELLARE	0	90	169	229
Beam 143	Beam2	2: PRINCIPALI - LAMELLARE	0	90	170	230
Beam 144	Beam2	2: PRINCIPALI - LAMELLARE	0	90	171	231
Beam 145	Beam2	2: PRINCIPALI - LAMELLARE	0	90	172	232
Beam 146	Beam2	2: PRINCIPALI - LAMELLARE	0	90	229	233

Beam 147	Beam2	2: PRINCIPALI - LAMELLARE	0	90	230	234
Beam 148	Beam2	2: PRINCIPALI - LAMELLARE	0	90	231	235
Beam 149	Beam2	2: PRINCIPALI - LAMELLARE	0	90	232	236
Beam 150	Beam2	2: PRINCIPALI - LAMELLARE	0	90	233	85
Beam 151	Beam2	2: PRINCIPALI - LAMELLARE	0	90	234	86
Beam 152	Beam2	2: PRINCIPALI - LAMELLARE	0	90	235	87
Beam 153	Beam2	2: PRINCIPALI - LAMELLARE	0	90	236	88
Beam 154	Beam2	2: PRINCIPALI - LAMELLARE	0	90	177	237
Beam 155	Beam2	2: PRINCIPALI - LAMELLARE	0	90	178	238
Beam 156	Beam2	2: PRINCIPALI - LAMELLARE	0	90	179	239
Beam 157	Beam2	2: PRINCIPALI - LAMELLARE	0	90	180	240
Beam 158	Beam2	2: PRINCIPALI - LAMELLARE	0	90	237	241
Beam 159	Beam2	2: PRINCIPALI - LAMELLARE	0	90	238	242
Beam 160	Beam2	2: PRINCIPALI - LAMELLARE	0	90	239	243
Beam 161	Beam2	2: PRINCIPALI - LAMELLARE	0	90	240	244
Beam 162	Beam2	2: PRINCIPALI - LAMELLARE	0	90	241	93
Beam 163	Beam2	2: PRINCIPALI - LAMELLARE	0	90	242	94
Beam 164	Beam2	2: PRINCIPALI - LAMELLARE	0	90	243	95
Beam 165	Beam2	2: PRINCIPALI - LAMELLARE	0	90	244	96
Beam 166	Beam2	2: PRINCIPALI - LAMELLARE	0	90	185	245
Beam 167	Beam2	2: PRINCIPALI - LAMELLARE	0	90	186	246
Beam 168	Beam2	2: PRINCIPALI - LAMELLARE	0	90	187	247
Beam 169	Beam2	2: PRINCIPALI - LAMELLARE	0	90	188	248
Beam 170	Beam2	2: PRINCIPALI - LAMELLARE	0	90	245	249
Beam 171	Beam2	2: PRINCIPALI - LAMELLARE	0	90	246	250
Beam 172	Beam2	2: PRINCIPALI - LAMELLARE	0	90	247	251
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	248	252
Beam 174	Beam2	2: PRINCIPALI - LAMELLARE	0	90	249	101
Beam 175	Beam2	2: PRINCIPALI - LAMELLARE	0	90	250	102
Beam 176	Beam2	2: PRINCIPALI - LAMELLARE	0	90	251	103
Beam 177	Beam2	2: PRINCIPALI - LAMELLARE	0	90	252	104
Beam 178	Beam2	2: PRINCIPALI - LAMELLARE	0	90	253	257
Beam 179	Beam2	2: PRINCIPALI - LAMELLARE	0	90	254	258
Beam 180	Beam2	2: PRINCIPALI - LAMELLARE	0	90	255	259
Beam 181	Beam2	2: PRINCIPALI - LAMELLARE	0	90	256	260
Beam 182	Beam2	2: PRINCIPALI - LAMELLARE	0	90	257	261
Beam 183	Beam2	2: PRINCIPALI - LAMELLARE	0	90	258	262
Beam 184	Beam2	2: PRINCIPALI - LAMELLARE	0	90	259	263
Beam 185	Beam2	2: PRINCIPALI - LAMELLARE	0	90	260	264
Beam 186	Beam2	2: PRINCIPALI - LAMELLARE	0	90	261	109
Beam 187	Beam2	2: PRINCIPALI - LAMELLARE	0	90	262	110
Beam 188	Beam2	2: PRINCIPALI - LAMELLARE	0	90	263	111
Beam 189	Beam2	2: PRINCIPALI - LAMELLARE	0	90	264	112
Beam 190	Beam2	2: PRINCIPALI - LAMELLARE	0	90	265	269
Beam 191	Beam2	2: PRINCIPALI - LAMELLARE	0	90	266	270
Beam 192	Beam2	2: PRINCIPALI - LAMELLARE	0	90	267	271
Beam 193	Beam2	2: PRINCIPALI - LAMELLARE	0	90	268	272
Beam 194	Beam2	2: PRINCIPALI - LAMELLARE	0	90	269	273
Beam 195	Beam2	2: PRINCIPALI - LAMELLARE	0	90	270	274
Beam 196	Beam2	2: PRINCIPALI - LAMELLARE	0	90	271	275

Beam 197	Beam2	2: PRINCIPALI - LAMELLARE	0	90	272	276
Beam 198	Beam2	2: PRINCIPALI - LAMELLARE	0	90	273	113
Beam 199	Beam2	2: PRINCIPALI - LAMELLARE	0	90	274	114
Beam 200	Beam2	2: PRINCIPALI - LAMELLARE	0	90	275	115
Beam 201	Beam2	2: PRINCIPALI - LAMELLARE	0	90	276	116
Beam 202	Beam2	2: PRINCIPALI - LAMELLARE	0	90	277	281
Beam 203	Beam2	2: PRINCIPALI - LAMELLARE	0	90	278	282
Beam 204	Beam2	2: PRINCIPALI - LAMELLARE	0	90	279	283
Beam 205	Beam2	2: PRINCIPALI - LAMELLARE	0	90	280	284
Beam 206	Beam2	2: PRINCIPALI - LAMELLARE	0	90	281	285
Beam 207	Beam2	2: PRINCIPALI - LAMELLARE	0	90	282	286
Beam 208	Beam2	2: PRINCIPALI - LAMELLARE	0	90	283	287
Beam 209	Beam2	2: PRINCIPALI - LAMELLARE	0	90	284	288
Beam 210	Beam2	2: PRINCIPALI - LAMELLARE	0	90	285	117
Beam 211	Beam2	2: PRINCIPALI - LAMELLARE	0	90	286	118
Beam 212	Beam2	2: PRINCIPALI - LAMELLARE	0	90	287	119
Beam 213	Beam2	2: PRINCIPALI - LAMELLARE	0	90	288	120
Beam 214	Beam2	2: PRINCIPALI - LAMELLARE	0	90	289	293
Beam 215	Beam2	2: PRINCIPALI - LAMELLARE	0	90	290	294
Beam 216	Beam2	2: PRINCIPALI - LAMELLARE	0	90	291	295
Beam 217	Beam2	2: PRINCIPALI - LAMELLARE	0	90	292	296
Beam 218	Beam2	2: PRINCIPALI - LAMELLARE	0	90	293	297
Beam 219	Beam2	2: PRINCIPALI - LAMELLARE	0	90	294	298
Beam 220	Beam2	2: PRINCIPALI - LAMELLARE	0	90	295	299
Beam 221	Beam2	2: PRINCIPALI - LAMELLARE	0	90	296	300
Beam 222	Beam2	2: PRINCIPALI - LAMELLARE	0	90	297	121
Beam 223	Beam2	2: PRINCIPALI - LAMELLARE	0	90	298	122
Beam 224	Beam2	2: PRINCIPALI - LAMELLARE	0	90	299	123
Beam 225	Beam2	2: PRINCIPALI - LAMELLARE	0	90	300	124
Beam 226	Beam2	2: PRINCIPALI - LAMELLARE	0	90	193	301
Beam 227	Beam2	2: PRINCIPALI - LAMELLARE	0	90	194	302
Beam 228	Beam2	2: PRINCIPALI - LAMELLARE	0	90	195	303
Beam 229	Beam2	2: PRINCIPALI - LAMELLARE	0	90	196	304
Beam 230	Beam2	2: PRINCIPALI - LAMELLARE	0	90	301	305
Beam 231	Beam2	2: PRINCIPALI - LAMELLARE	0	90	302	306
Beam 232	Beam2	2: PRINCIPALI - LAMELLARE	0	90	303	307
Beam 233	Beam2	2: PRINCIPALI - LAMELLARE	0	90	304	308
Beam 234	Beam2	2: PRINCIPALI - LAMELLARE	0	90	305	125
Beam 235	Beam2	2: PRINCIPALI - LAMELLARE	0	90	306	126
Beam 236	Beam2	2: PRINCIPALI - LAMELLARE	0	90	307	127
Beam 237	Beam2	2: PRINCIPALI - LAMELLARE	0	90	308	128
Beam 238	Beam2	2: PRINCIPALI - LAMELLARE	0	90	201	309
Beam 239	Beam2	2: PRINCIPALI - LAMELLARE	0	90	202	310
Beam 240	Beam2	2: PRINCIPALI - LAMELLARE	0	90	203	311
Beam 241	Beam2	2: PRINCIPALI - LAMELLARE	0	90	204	312
Beam 242	Beam2	2: PRINCIPALI - LAMELLARE	0	90	309	313
Beam 243	Beam2	2: PRINCIPALI - LAMELLARE	0	90	310	314
Beam 244	Beam2	2: PRINCIPALI - LAMELLARE	0	90	311	315
Beam 245	Beam2	2: PRINCIPALI - LAMELLARE	0	90	312	316
Beam 246	Beam2	2: PRINCIPALI - LAMELLARE	0	90	313	133

Beam 247	Beam2	2: PRINCIPALI - LAMELLARE	0	90	314	134
Beam 248	Beam2	2: PRINCIPALI - LAMELLARE	0	90	315	135
Beam 249	Beam2	2: PRINCIPALI - LAMELLARE	0	90	316	136
Beam 250	Beam2	2: PRINCIPALI - LAMELLARE	0	90	209	317
Beam 251	Beam2	2: PRINCIPALI - LAMELLARE	0	90	210	318
Beam 252	Beam2	2: PRINCIPALI - LAMELLARE	0	90	211	319
Beam 253	Beam2	2: PRINCIPALI - LAMELLARE	0	90	212	320
Beam 254	Beam2	2: PRINCIPALI - LAMELLARE	0	90	317	321
Beam 255	Beam2	2: PRINCIPALI - LAMELLARE	0	90	318	322
Beam 256	Beam2	2: PRINCIPALI - LAMELLARE	0	90	319	323
Beam 257	Beam2	2: PRINCIPALI - LAMELLARE	0	90	320	324
Beam 258	Beam2	2: PRINCIPALI - LAMELLARE	0	90	321	141
Beam 259	Beam2	2: PRINCIPALI - LAMELLARE	0	90	322	142
Beam 260	Beam2	2: PRINCIPALI - LAMELLARE	0	90	323	143
Beam 261	Beam2	2: PRINCIPALI - LAMELLARE	0	90	324	144
Beam 262	Beam2	2: PRINCIPALI - LAMELLARE	0	90	217	325
Beam 263	Beam2	2: PRINCIPALI - LAMELLARE	0	90	218	326
Beam 264	Beam2	2: PRINCIPALI - LAMELLARE	0	90	219	327
Beam 265	Beam2	2: PRINCIPALI - LAMELLARE	0	90	220	328
Beam 266	Beam2	2: PRINCIPALI - LAMELLARE	0	90	325	329
Beam 267	Beam2	2: PRINCIPALI - LAMELLARE	0	90	326	330
Beam 268	Beam2	2: PRINCIPALI - LAMELLARE	0	90	327	331
Beam 269	Beam2	2: PRINCIPALI - LAMELLARE	0	90	328	332
Beam 270	Beam2	2: PRINCIPALI - LAMELLARE	0	90	329	149
Beam 271	Beam2	2: PRINCIPALI - LAMELLARE	0	90	330	150
Beam 272	Beam2	2: PRINCIPALI - LAMELLARE	0	90	331	151
Beam 273	Beam2	2: PRINCIPALI - LAMELLARE	0	90	332	152
Beam 274	Beam2	2: PRINCIPALI - LAMELLARE	0	90	129	333
Beam 275	Beam2	2: PRINCIPALI - LAMELLARE	0	90	130	334
Beam 276	Beam2	2: PRINCIPALI - LAMELLARE	0	90	131	335
Beam 277	Beam2	2: PRINCIPALI - LAMELLARE	0	90	132	336
Beam 278	Beam2	2: PRINCIPALI - LAMELLARE	0	90	333	337
Beam 279	Beam2	2: PRINCIPALI - LAMELLARE	0	90	334	338
Beam 280	Beam2	2: PRINCIPALI - LAMELLARE	0	90	335	339
Beam 281	Beam2	2: PRINCIPALI - LAMELLARE	0	90	336	340
Beam 282	Beam2	2: PRINCIPALI - LAMELLARE	0	90	337	157
Beam 283	Beam2	2: PRINCIPALI - LAMELLARE	0	90	338	158
Beam 284	Beam2	2: PRINCIPALI - LAMELLARE	0	90	339	159
Beam 285	Beam2	2: PRINCIPALI - LAMELLARE	0	90	340	160
Beam 286	Beam2	2: PRINCIPALI - LAMELLARE	0	90	137	341
Beam 287	Beam2	2: PRINCIPALI - LAMELLARE	0	90	138	342
Beam 288	Beam2	2: PRINCIPALI - LAMELLARE	0	90	139	343
Beam 289	Beam2	2: PRINCIPALI - LAMELLARE	0	90	140	344
Beam 290	Beam2	2: PRINCIPALI - LAMELLARE	0	90	341	345
Beam 291	Beam2	2: PRINCIPALI - LAMELLARE	0	90	342	346
Beam 292	Beam2	2: PRINCIPALI - LAMELLARE	0	90	343	347
Beam 293	Beam2	2: PRINCIPALI - LAMELLARE	0	90	344	348
Beam 294	Beam2	2: PRINCIPALI - LAMELLARE	0	90	345	165
Beam 295	Beam2	2: PRINCIPALI - LAMELLARE	0	90	346	166
Beam 296	Beam2	2: PRINCIPALI - LAMELLARE	0	90	347	167

Beam 297	Beam2	2: PRINCIPALI - LAMELLARE	0	90	348	168
Beam 298	Beam2	2: PRINCIPALI - LAMELLARE	0	90	145	349
Beam 299	Beam2	2: PRINCIPALI - LAMELLARE	0	90	146	350
Beam 300	Beam2	2: PRINCIPALI - LAMELLARE	0	90	147	351
Beam 301	Beam2	2: PRINCIPALI - LAMELLARE	0	90	148	352
Beam 302	Beam2	2: PRINCIPALI - LAMELLARE	0	90	349	353
Beam 303	Beam2	2: PRINCIPALI - LAMELLARE	0	90	350	354
Beam 304	Beam2	2: PRINCIPALI - LAMELLARE	0	90	351	355
Beam 305	Beam2	2: PRINCIPALI - LAMELLARE	0	90	352	356
Beam 306	Beam2	2: PRINCIPALI - LAMELLARE	0	90	353	173
Beam 307	Beam2	2: PRINCIPALI - LAMELLARE	0	90	354	174
Beam 308	Beam2	2: PRINCIPALI - LAMELLARE	0	90	355	175
Beam 309	Beam2	2: PRINCIPALI - LAMELLARE	0	90	356	176
Beam 310	Beam2	2: PRINCIPALI - LAMELLARE	0	90	153	357
Beam 311	Beam2	2: PRINCIPALI - LAMELLARE	0	90	154	358
Beam 312	Beam2	2: PRINCIPALI - LAMELLARE	0	90	155	359
Beam 313	Beam2	2: PRINCIPALI - LAMELLARE	0	90	156	360
Beam 314	Beam2	2: PRINCIPALI - LAMELLARE	0	90	357	361
Beam 315	Beam2	2: PRINCIPALI - LAMELLARE	0	90	358	362
Beam 316	Beam2	2: PRINCIPALI - LAMELLARE	0	90	359	363
Beam 317	Beam2	2: PRINCIPALI - LAMELLARE	0	90	360	364
Beam 318	Beam2	2: PRINCIPALI - LAMELLARE	0	90	361	181
Beam 319	Beam2	2: PRINCIPALI - LAMELLARE	0	90	362	182
Beam 320	Beam2	2: PRINCIPALI - LAMELLARE	0	90	363	183
Beam 321	Beam2	2: PRINCIPALI - LAMELLARE	0	90	364	184
Beam 322	Beam2	2: PRINCIPALI - LAMELLARE	0	90	61	365
Beam 323	Beam2	2: PRINCIPALI - LAMELLARE	0	90	62	366
Beam 324	Beam2	2: PRINCIPALI - LAMELLARE	0	90	63	367
Beam 325	Beam2	2: PRINCIPALI - LAMELLARE	0	90	64	368
Beam 326	Beam2	2: PRINCIPALI - LAMELLARE	0	90	365	369
Beam 327	Beam2	2: PRINCIPALI - LAMELLARE	0	90	366	370
Beam 328	Beam2	2: PRINCIPALI - LAMELLARE	0	90	367	371
Beam 329	Beam2	2: PRINCIPALI - LAMELLARE	0	90	368	372
Beam 330	Beam2	2: PRINCIPALI - LAMELLARE	0	90	369	189
Beam 331	Beam2	2: PRINCIPALI - LAMELLARE	0	90	370	190
Beam 332	Beam2	2: PRINCIPALI - LAMELLARE	0	90	371	191
Beam 333	Beam2	2: PRINCIPALI - LAMELLARE	0	90	372	192
Beam 334	Beam2	2: PRINCIPALI - LAMELLARE	0	90	65	373
Beam 335	Beam2	2: PRINCIPALI - LAMELLARE	0	90	66	374
Beam 336	Beam2	2: PRINCIPALI - LAMELLARE	0	90	67	375
Beam 337	Beam2	2: PRINCIPALI - LAMELLARE	0	90	68	376
Beam 338	Beam2	2: PRINCIPALI - LAMELLARE	0	90	373	377
Beam 339	Beam2	2: PRINCIPALI - LAMELLARE	0	90	374	378
Beam 340	Beam2	2: PRINCIPALI - LAMELLARE	0	90	375	379
Beam 341	Beam2	2: PRINCIPALI - LAMELLARE	0	90	376	380
Beam 342	Beam2	2: PRINCIPALI - LAMELLARE	0	90	377	197
Beam 343	Beam2	2: PRINCIPALI - LAMELLARE	0	90	378	198
Beam 344	Beam2	2: PRINCIPALI - LAMELLARE	0	90	379	199
Beam 345	Beam2	2: PRINCIPALI - LAMELLARE	0	90	380	200
Beam 346	Beam2	2: PRINCIPALI - LAMELLARE	0	90	69	381

Beam 347	Beam2	2: PRINCIPALI - LAMELLARE	0	90	70	382
Beam 348	Beam2	2: PRINCIPALI - LAMELLARE	0	90	71	383
Beam 349	Beam2	2: PRINCIPALI - LAMELLARE	0	90	72	384
Beam 350	Beam2	2: PRINCIPALI - LAMELLARE	0	90	381	385
Beam 351	Beam2	2: PRINCIPALI - LAMELLARE	0	90	382	386
Beam 352	Beam2	2: PRINCIPALI - LAMELLARE	0	90	383	387
Beam 353	Beam2	2: PRINCIPALI - LAMELLARE	0	90	384	388
Beam 354	Beam2	2: PRINCIPALI - LAMELLARE	0	90	385	205
Beam 355	Beam2	2: PRINCIPALI - LAMELLARE	0	90	386	206
Beam 356	Beam2	2: PRINCIPALI - LAMELLARE	0	90	387	207
Beam 357	Beam2	2: PRINCIPALI - LAMELLARE	0	90	388	208
Beam 358	Beam2	2: PRINCIPALI - LAMELLARE	0	90	73	389
Beam 359	Beam2	2: PRINCIPALI - LAMELLARE	0	90	74	390
Beam 360	Beam2	2: PRINCIPALI - LAMELLARE	0	90	75	391
Beam 361	Beam2	2: PRINCIPALI - LAMELLARE	0	90	76	392
Beam 362	Beam2	2: PRINCIPALI - LAMELLARE	0	90	389	393
Beam 363	Beam2	2: PRINCIPALI - LAMELLARE	0	90	390	394
Beam 364	Beam2	2: PRINCIPALI - LAMELLARE	0	90	391	395
Beam 365	Beam2	2: PRINCIPALI - LAMELLARE	0	90	392	396
Beam 366	Beam2	2: PRINCIPALI - LAMELLARE	0	90	393	213
Beam 367	Beam2	2: PRINCIPALI - LAMELLARE	0	90	394	214
Beam 368	Beam2	2: PRINCIPALI - LAMELLARE	0	90	395	215
Beam 369	Beam2	2: PRINCIPALI - LAMELLARE	0	90	396	216
Beam 370	Beam2	3: PRINCIPALI - ACCIAIO	0	90	733	737
Beam 371	Beam2	3: PRINCIPALI - ACCIAIO	0	90	734	738
Beam 372	Beam2	3: PRINCIPALI - ACCIAIO	0	90	735	739
Beam 373	Beam2	3: PRINCIPALI - ACCIAIO	0	90	736	740
Beam 374	Beam2	3: PRINCIPALI - ACCIAIO	0	90	741	745
Beam 375	Beam2	3: PRINCIPALI - ACCIAIO	0	90	742	746
Beam 376	Beam2	3: PRINCIPALI - ACCIAIO	0	90	743	747
Beam 377	Beam2	3: PRINCIPALI - ACCIAIO	0	90	744	748
Beam 378	Beam2	4: FICT 1	0	0	61	705
Beam 379	Beam2	4: FICT 1	0	0	62	706
Beam 380	Beam2	4: FICT 1	0	0	63	707
Beam 381	Beam2	4: FICT 1	0	0	64	708
Beam 382	Beam2	4: FICT 1	0	0	65	709
Beam 383	Beam2	4: FICT 1	0	0	66	710
Beam 384	Beam2	4: FICT 1	0	0	67	711
Beam 385	Beam2	4: FICT 1	0	0	68	712
Beam 386	Beam2	4: FICT 1	0	0	69	713
Beam 387	Beam2	4: FICT 1	0	0	70	714
Beam 388	Beam2	4: FICT 1	0	0	71	715
Beam 389	Beam2	4: FICT 1	0	0	72	716
Beam 390	Beam2	4: FICT 1	0	0	73	701
Beam 391	Beam2	4: FICT 1	0	0	74	702
Beam 392	Beam2	4: FICT 1	0	0	75	703
Beam 393	Beam2	4: FICT 1	0	0	76	704
Beam 394	Beam2	4: FICT 1	0	0	77	497
Beam 395	Beam2	4: FICT 1	0	0	78	498
Beam 396	Beam2	4: FICT 1	0	0	79	499

Beam 397	Beam2	4: FICT 1	0	0	80	500
Beam 398	Beam2	4: FICT 1	0	0	81	721
Beam 399	Beam2	4: FICT 1	0	0	82	722
Beam 400	Beam2	4: FICT 1	0	0	83	723
Beam 401	Beam2	4: FICT 1	0	0	84	724
Beam 402	Beam2	4: FICT 1	0	0	85	501
Beam 403	Beam2	4: FICT 1	0	0	86	502
Beam 404	Beam2	4: FICT 1	0	0	87	503
Beam 405	Beam2	4: FICT 1	0	0	88	504
Beam 406	Beam2	4: FICT 1	0	0	89	725
Beam 407	Beam2	4: FICT 1	0	0	90	726
Beam 408	Beam2	4: FICT 1	0	0	91	727
Beam 409	Beam2	4: FICT 1	0	0	92	728
Beam 410	Beam2	4: FICT 1	0	0	93	505
Beam 411	Beam2	4: FICT 1	0	0	94	506
Beam 412	Beam2	4: FICT 1	0	0	95	507
Beam 413	Beam2	4: FICT 1	0	0	96	508
Beam 414	Beam2	4: FICT 1	0	0	97	729
Beam 415	Beam2	4: FICT 1	0	0	98	730
Beam 416	Beam2	4: FICT 1	0	0	99	731
Beam 417	Beam2	4: FICT 1	0	0	100	732
Beam 418	Beam2	4: FICT 1	0	0	101	493
Beam 419	Beam2	4: FICT 1	0	0	102	494
Beam 420	Beam2	4: FICT 1	0	0	103	495
Beam 421	Beam2	4: FICT 1	0	0	104	496
Beam 422	Beam2	4: FICT 1	0	0	105	717
Beam 423	Beam2	4: FICT 1	0	0	106	718
Beam 424	Beam2	4: FICT 1	0	0	107	719
Beam 425	Beam2	4: FICT 1	0	0	108	720
Beam 426	Beam2	4: FICT 1	0	0	109	545
Beam 427	Beam2	4: FICT 1	0	0	110	546
Beam 428	Beam2	4: FICT 1	0	0	111	547
Beam 429	Beam2	4: FICT 1	0	0	112	548
Beam 430	Beam2	4: FICT 1	0	0	113	549
Beam 431	Beam2	4: FICT 1	0	0	114	550
Beam 432	Beam2	4: FICT 1	0	0	115	551
Beam 433	Beam2	4: FICT 1	0	0	116	552
Beam 434	Beam2	4: FICT 1	0	0	117	553
Beam 435	Beam2	4: FICT 1	0	0	118	554
Beam 436	Beam2	4: FICT 1	0	0	119	555
Beam 437	Beam2	4: FICT 1	0	0	120	556
Beam 438	Beam2	4: FICT 1	0	0	121	541
Beam 439	Beam2	4: FICT 1	0	0	122	542
Beam 440	Beam2	4: FICT 1	0	0	123	543
Beam 441	Beam2	4: FICT 1	0	0	124	544
Beam 442	Beam2	4: FICT 1	0	0	125	593
Beam 443	Beam2	4: FICT 1	0	0	126	594
Beam 444	Beam2	4: FICT 1	0	0	127	595
Beam 445	Beam2	4: FICT 1	0	0	128	596
Beam 446	Beam2	4: FICT 1	0	0	129	417

Beam 447	Beam2	4: FICT 1	0	0	130	418
Beam 448	Beam2	4: FICT 1	0	0	131	419
Beam 449	Beam2	4: FICT 1	0	0	132	420
Beam 450	Beam2	4: FICT 1	0	0	133	597
Beam 451	Beam2	4: FICT 1	0	0	134	598
Beam 452	Beam2	4: FICT 1	0	0	135	599
Beam 453	Beam2	4: FICT 1	0	0	136	600
Beam 454	Beam2	4: FICT 1	0	0	137	421
Beam 455	Beam2	4: FICT 1	0	0	138	422
Beam 456	Beam2	4: FICT 1	0	0	139	423
Beam 457	Beam2	4: FICT 1	0	0	140	424
Beam 458	Beam2	4: FICT 1	0	0	141	601
Beam 459	Beam2	4: FICT 1	0	0	142	602
Beam 460	Beam2	4: FICT 1	0	0	143	603
Beam 461	Beam2	4: FICT 1	0	0	144	604
Beam 462	Beam2	4: FICT 1	0	0	145	425
Beam 463	Beam2	4: FICT 1	0	0	146	426
Beam 464	Beam2	4: FICT 1	0	0	147	427
Beam 465	Beam2	4: FICT 1	0	0	148	428
Beam 466	Beam2	4: FICT 1	0	0	149	589
Beam 467	Beam2	4: FICT 1	0	0	150	590
Beam 468	Beam2	4: FICT 1	0	0	151	591
Beam 469	Beam2	4: FICT 1	0	0	152	592
Beam 470	Beam2	4: FICT 1	0	0	153	413
Beam 471	Beam2	4: FICT 1	0	0	154	414
Beam 472	Beam2	4: FICT 1	0	0	155	415
Beam 473	Beam2	4: FICT 1	0	0	156	416
Beam 474	Beam2	4: FICT 1	0	0	157	641
Beam 475	Beam2	4: FICT 1	0	0	158	642
Beam 476	Beam2	4: FICT 1	0	0	159	643
Beam 477	Beam2	4: FICT 1	0	0	160	644
Beam 478	Beam2	4: FICT 1	0	0	161	433
Beam 479	Beam2	4: FICT 1	0	0	162	434
Beam 480	Beam2	4: FICT 1	0	0	163	435
Beam 481	Beam2	4: FICT 1	0	0	164	436
Beam 482	Beam2	4: FICT 1	0	0	165	645
Beam 483	Beam2	4: FICT 1	0	0	166	646
Beam 484	Beam2	4: FICT 1	0	0	167	647
Beam 485	Beam2	4: FICT 1	0	0	168	648
Beam 486	Beam2	4: FICT 1	0	0	169	437
Beam 487	Beam2	4: FICT 1	0	0	170	438
Beam 488	Beam2	4: FICT 1	0	0	171	439
Beam 489	Beam2	4: FICT 1	0	0	172	440
Beam 490	Beam2	4: FICT 1	0	0	173	649
Beam 491	Beam2	4: FICT 1	0	0	174	650
Beam 492	Beam2	4: FICT 1	0	0	175	651
Beam 493	Beam2	4: FICT 1	0	0	176	652
Beam 494	Beam2	4: FICT 1	0	0	177	441
Beam 495	Beam2	4: FICT 1	0	0	178	442
Beam 496	Beam2	4: FICT 1	0	0	179	443

Beam 497	Beam2	4: FICT 1	0	0	180	444
Beam 498	Beam2	4: FICT 1	0	0	181	637
Beam 499	Beam2	4: FICT 1	0	0	182	638
Beam 500	Beam2	4: FICT 1	0	0	183	639
Beam 501	Beam2	4: FICT 1	0	0	184	640
Beam 502	Beam2	4: FICT 1	0	0	185	429
Beam 503	Beam2	4: FICT 1	0	0	186	430
Beam 504	Beam2	4: FICT 1	0	0	187	431
Beam 505	Beam2	4: FICT 1	0	0	188	432
Beam 506	Beam2	4: FICT 1	0	0	189	689
Beam 507	Beam2	4: FICT 1	0	0	190	690
Beam 508	Beam2	4: FICT 1	0	0	191	691
Beam 509	Beam2	4: FICT 1	0	0	192	692
Beam 510	Beam2	4: FICT 1	0	0	193	449
Beam 511	Beam2	4: FICT 1	0	0	194	450
Beam 512	Beam2	4: FICT 1	0	0	195	451
Beam 513	Beam2	4: FICT 1	0	0	196	452
Beam 514	Beam2	4: FICT 1	0	0	197	693
Beam 515	Beam2	4: FICT 1	0	0	198	694
Beam 516	Beam2	4: FICT 1	0	0	199	695
Beam 517	Beam2	4: FICT 1	0	0	200	696
Beam 518	Beam2	4: FICT 1	0	0	201	453
Beam 519	Beam2	4: FICT 1	0	0	202	454
Beam 520	Beam2	4: FICT 1	0	0	203	455
Beam 521	Beam2	4: FICT 1	0	0	204	456
Beam 522	Beam2	4: FICT 1	0	0	205	697
Beam 523	Beam2	4: FICT 1	0	0	206	698
Beam 524	Beam2	4: FICT 1	0	0	207	699
Beam 525	Beam2	4: FICT 1	0	0	208	700
Beam 526	Beam2	4: FICT 1	0	0	209	457
Beam 527	Beam2	4: FICT 1	0	0	210	458
Beam 528	Beam2	4: FICT 1	0	0	211	459
Beam 529	Beam2	4: FICT 1	0	0	212	460
Beam 530	Beam2	4: FICT 1	0	0	213	685
Beam 531	Beam2	4: FICT 1	0	0	214	686
Beam 532	Beam2	4: FICT 1	0	0	215	687
Beam 533	Beam2	4: FICT 1	0	0	216	688
Beam 534	Beam2	4: FICT 1	0	0	217	445
Beam 535	Beam2	4: FICT 1	0	0	218	446
Beam 536	Beam2	4: FICT 1	0	0	219	447
Beam 537	Beam2	4: FICT 1	0	0	220	448
Beam 538	Beam2	4: FICT 1	0	0	221	465
Beam 539	Beam2	4: FICT 1	0	0	222	466
Beam 540	Beam2	4: FICT 1	0	0	223	467
Beam 541	Beam2	4: FICT 1	0	0	224	468
Beam 542	Beam2	4: FICT 1	0	0	225	481
Beam 543	Beam2	4: FICT 1	0	0	226	482
Beam 544	Beam2	4: FICT 1	0	0	227	483
Beam 545	Beam2	4: FICT 1	0	0	228	484
Beam 546	Beam2	4: FICT 1	0	0	229	469

Beam 547	Beam2	4: FICT 1	0	0	230	470
Beam 548	Beam2	4: FICT 1	0	0	231	471
Beam 549	Beam2	4: FICT 1	0	0	232	472
Beam 550	Beam2	4: FICT 1	0	0	233	485
Beam 551	Beam2	4: FICT 1	0	0	234	486
Beam 552	Beam2	4: FICT 1	0	0	235	487
Beam 553	Beam2	4: FICT 1	0	0	236	488
Beam 554	Beam2	4: FICT 1	0	0	237	473
Beam 555	Beam2	4: FICT 1	0	0	238	474
Beam 556	Beam2	4: FICT 1	0	0	239	475
Beam 557	Beam2	4: FICT 1	0	0	240	476
Beam 558	Beam2	4: FICT 1	0	0	241	489
Beam 559	Beam2	4: FICT 1	0	0	242	490
Beam 560	Beam2	4: FICT 1	0	0	243	491
Beam 561	Beam2	4: FICT 1	0	0	244	492
Beam 562	Beam2	4: FICT 1	0	0	245	461
Beam 563	Beam2	4: FICT 1	0	0	246	462
Beam 564	Beam2	4: FICT 1	0	0	247	463
Beam 565	Beam2	4: FICT 1	0	0	248	464
Beam 566	Beam2	4: FICT 1	0	0	249	477
Beam 567	Beam2	4: FICT 1	0	0	250	478
Beam 568	Beam2	4: FICT 1	0	0	251	479
Beam 569	Beam2	4: FICT 1	0	0	252	480
Beam 570	Beam2	4: FICT 1	0	0	253	401
Beam 571	Beam2	4: FICT 1	0	0	254	402
Beam 572	Beam2	4: FICT 1	0	0	255	403
Beam 573	Beam2	4: FICT 1	0	0	256	404
Beam 574	Beam2	4: FICT 1	0	0	257	513
Beam 575	Beam2	4: FICT 1	0	0	258	514
Beam 576	Beam2	4: FICT 1	0	0	259	515
Beam 577	Beam2	4: FICT 1	0	0	260	516
Beam 578	Beam2	4: FICT 1	0	0	261	529
Beam 579	Beam2	4: FICT 1	0	0	262	530
Beam 580	Beam2	4: FICT 1	0	0	263	531
Beam 581	Beam2	4: FICT 1	0	0	264	532
Beam 582	Beam2	4: FICT 1	0	0	265	405
Beam 583	Beam2	4: FICT 1	0	0	266	406
Beam 584	Beam2	4: FICT 1	0	0	267	407
Beam 585	Beam2	4: FICT 1	0	0	268	408
Beam 586	Beam2	4: FICT 1	0	0	269	517
Beam 587	Beam2	4: FICT 1	0	0	270	518
Beam 588	Beam2	4: FICT 1	0	0	271	519
Beam 589	Beam2	4: FICT 1	0	0	272	520
Beam 590	Beam2	4: FICT 1	0	0	273	533
Beam 591	Beam2	4: FICT 1	0	0	274	534
Beam 592	Beam2	4: FICT 1	0	0	275	535
Beam 593	Beam2	4: FICT 1	0	0	276	536
Beam 594	Beam2	4: FICT 1	0	0	277	409
Beam 595	Beam2	4: FICT 1	0	0	278	410
Beam 596	Beam2	4: FICT 1	0	0	279	411

Beam 597	Beam2	4: FICT 1	0	0	280	412
Beam 598	Beam2	4: FICT 1	0	0	281	521
Beam 599	Beam2	4: FICT 1	0	0	282	522
Beam 600	Beam2	4: FICT 1	0	0	283	523
Beam 601	Beam2	4: FICT 1	0	0	284	524
Beam 602	Beam2	4: FICT 1	0	0	285	537
Beam 603	Beam2	4: FICT 1	0	0	286	538
Beam 604	Beam2	4: FICT 1	0	0	287	539
Beam 605	Beam2	4: FICT 1	0	0	288	540
Beam 606	Beam2	4: FICT 1	0	0	289	397
Beam 607	Beam2	4: FICT 1	0	0	290	398
Beam 608	Beam2	4: FICT 1	0	0	291	399
Beam 609	Beam2	4: FICT 1	0	0	292	400
Beam 610	Beam2	4: FICT 1	0	0	293	509
Beam 611	Beam2	4: FICT 1	0	0	294	510
Beam 612	Beam2	4: FICT 1	0	0	295	511
Beam 613	Beam2	4: FICT 1	0	0	296	512
Beam 614	Beam2	4: FICT 1	0	0	297	525
Beam 615	Beam2	4: FICT 1	0	0	298	526
Beam 616	Beam2	4: FICT 1	0	0	299	527
Beam 617	Beam2	4: FICT 1	0	0	300	528
Beam 618	Beam2	4: FICT 1	0	0	301	561
Beam 619	Beam2	4: FICT 1	0	0	302	562
Beam 620	Beam2	4: FICT 1	0	0	303	563
Beam 621	Beam2	4: FICT 1	0	0	304	564
Beam 622	Beam2	4: FICT 1	0	0	305	577
Beam 623	Beam2	4: FICT 1	0	0	306	578
Beam 624	Beam2	4: FICT 1	0	0	307	579
Beam 625	Beam2	4: FICT 1	0	0	308	580
Beam 626	Beam2	4: FICT 1	0	0	309	565
Beam 627	Beam2	4: FICT 1	0	0	310	566
Beam 628	Beam2	4: FICT 1	0	0	311	567
Beam 629	Beam2	4: FICT 1	0	0	312	568
Beam 630	Beam2	4: FICT 1	0	0	313	581
Beam 631	Beam2	4: FICT 1	0	0	314	582
Beam 632	Beam2	4: FICT 1	0	0	315	583
Beam 633	Beam2	4: FICT 1	0	0	316	584
Beam 634	Beam2	4: FICT 1	0	0	317	569
Beam 635	Beam2	4: FICT 1	0	0	318	570
Beam 636	Beam2	4: FICT 1	0	0	319	571
Beam 637	Beam2	4: FICT 1	0	0	320	572
Beam 638	Beam2	4: FICT 1	0	0	321	585
Beam 639	Beam2	4: FICT 1	0	0	322	586
Beam 640	Beam2	4: FICT 1	0	0	323	587
Beam 641	Beam2	4: FICT 1	0	0	324	588
Beam 642	Beam2	4: FICT 1	0	0	325	557
Beam 643	Beam2	4: FICT 1	0	0	326	558
Beam 644	Beam2	4: FICT 1	0	0	327	559
Beam 645	Beam2	4: FICT 1	0	0	328	560
Beam 646	Beam2	4: FICT 1	0	0	329	573

Beam 647	Beam2	4: FICT 1	0	0	330	574
Beam 648	Beam2	4: FICT 1	0	0	331	575
Beam 649	Beam2	4: FICT 1	0	0	332	576
Beam 650	Beam2	4: FICT 1	0	0	333	609
Beam 651	Beam2	4: FICT 1	0	0	334	610
Beam 652	Beam2	4: FICT 1	0	0	335	611
Beam 653	Beam2	4: FICT 1	0	0	336	612
Beam 654	Beam2	4: FICT 1	0	0	337	625
Beam 655	Beam2	4: FICT 1	0	0	338	626
Beam 656	Beam2	4: FICT 1	0	0	339	627
Beam 657	Beam2	4: FICT 1	0	0	340	628
Beam 658	Beam2	4: FICT 1	0	0	341	613
Beam 659	Beam2	4: FICT 1	0	0	342	614
Beam 660	Beam2	4: FICT 1	0	0	343	615
Beam 661	Beam2	4: FICT 1	0	0	344	616
Beam 662	Beam2	4: FICT 1	0	0	345	629
Beam 663	Beam2	4: FICT 1	0	0	346	630
Beam 664	Beam2	4: FICT 1	0	0	347	631
Beam 665	Beam2	4: FICT 1	0	0	348	632
Beam 666	Beam2	4: FICT 1	0	0	349	617
Beam 667	Beam2	4: FICT 1	0	0	350	618
Beam 668	Beam2	4: FICT 1	0	0	351	619
Beam 669	Beam2	4: FICT 1	0	0	352	620
Beam 670	Beam2	4: FICT 1	0	0	353	633
Beam 671	Beam2	4: FICT 1	0	0	354	634
Beam 672	Beam2	4: FICT 1	0	0	355	635
Beam 673	Beam2	4: FICT 1	0	0	356	636
Beam 674	Beam2	4: FICT 1	0	0	357	605
Beam 675	Beam2	4: FICT 1	0	0	358	606
Beam 676	Beam2	4: FICT 1	0	0	359	607
Beam 677	Beam2	4: FICT 1	0	0	360	608
Beam 678	Beam2	4: FICT 1	0	0	361	621
Beam 679	Beam2	4: FICT 1	0	0	362	622
Beam 680	Beam2	4: FICT 1	0	0	363	623
Beam 681	Beam2	4: FICT 1	0	0	364	624
Beam 682	Beam2	4: FICT 1	0	0	365	657
Beam 683	Beam2	4: FICT 1	0	0	366	658
Beam 684	Beam2	4: FICT 1	0	0	367	659
Beam 685	Beam2	4: FICT 1	0	0	368	660
Beam 686	Beam2	4: FICT 1	0	0	369	673
Beam 687	Beam2	4: FICT 1	0	0	370	674
Beam 688	Beam2	4: FICT 1	0	0	371	675
Beam 689	Beam2	4: FICT 1	0	0	372	676
Beam 690	Beam2	4: FICT 1	0	0	373	661
Beam 691	Beam2	4: FICT 1	0	0	374	662
Beam 692	Beam2	4: FICT 1	0	0	375	663
Beam 693	Beam2	4: FICT 1	0	0	376	664
Beam 694	Beam2	4: FICT 1	0	0	377	677
Beam 695	Beam2	4: FICT 1	0	0	378	678
Beam 696	Beam2	4: FICT 1	0	0	379	679

Beam 697	Beam2	4: FICT 1	0	0	380	680
Beam 698	Beam2	4: FICT 1	0	0	381	665
Beam 699	Beam2	4: FICT 1	0	0	382	666
Beam 700	Beam2	4: FICT 1	0	0	383	667
Beam 701	Beam2	4: FICT 1	0	0	384	668
Beam 702	Beam2	4: FICT 1	0	0	385	681
Beam 703	Beam2	4: FICT 1	0	0	386	682
Beam 704	Beam2	4: FICT 1	0	0	387	683
Beam 705	Beam2	4: FICT 1	0	0	388	684
Beam 706	Beam2	4: FICT 1	0	0	389	653
Beam 707	Beam2	4: FICT 1	0	0	390	654
Beam 708	Beam2	4: FICT 1	0	0	391	655
Beam 709	Beam2	4: FICT 1	0	0	392	656
Beam 710	Beam2	4: FICT 1	0	0	393	669
Beam 711	Beam2	4: FICT 1	0	0	394	670
Beam 712	Beam2	4: FICT 1	0	0	395	671
Beam 713	Beam2	4: FICT 1	0	0	396	672
Beam 714	Beam2	6: FICT 2	0	0	749	753
Beam 715	Beam2	6: FICT 2	0	0	750	754
Beam 716	Beam2	6: FICT 2	0	0	751	755
Beam 717	Beam2	6: FICT 2	0	0	752	756
Beam 718	Beam2	6: FICT 2	0	0	757	761
Beam 719	Beam2	6: FICT 2	0	0	758	762
Beam 720	Beam2	6: FICT 2	0	0	759	763
Beam 721	Beam2	6: FICT 2	0	0	760	764
Beam 722	Beam2	6: FICT 2	0	0	749	765
Beam 723	Beam2	6: FICT 2	0	0	750	766
Beam 724	Beam2	6: FICT 2	0	0	751	767
Beam 725	Beam2	6: FICT 2	0	0	752	768
Beam 726	Beam2	6: FICT 2	0	0	757	769
Beam 727	Beam2	6: FICT 2	0	0	758	770
Beam 728	Beam2	6: FICT 2	0	0	759	771
Beam 729	Beam2	6: FICT 2	0	0	760	772
Beam 730	Beam2	4: FICT 1	0	0	61	773
Beam 731	Beam2	4: FICT 1	0	0	62	774
Beam 732	Beam2	4: FICT 1	0	0	63	775
Beam 733	Beam2	4: FICT 1	0	0	64	776
Beam 734	Beam2	4: FICT 1	0	0	65	777
Beam 735	Beam2	4: FICT 1	0	0	66	778
Beam 736	Beam2	4: FICT 1	0	0	67	779
Beam 737	Beam2	4: FICT 1	0	0	68	780
Beam 738	Beam2	4: FICT 1	0	0	69	781
Beam 739	Beam2	4: FICT 1	0	0	70	782
Beam 740	Beam2	4: FICT 1	0	0	71	783
Beam 741	Beam2	4: FICT 1	0	0	72	784
Beam 742	Beam2	4: FICT 1	0	0	73	765
Beam 743	Beam2	4: FICT 1	0	0	74	766
Beam 744	Beam2	4: FICT 1	0	0	75	767
Beam 745	Beam2	4: FICT 1	0	0	76	768
Beam 746	Beam2	4: FICT 1	0	0	81	785

Beam 747	Beam2	4: FICT 1	0	0	82	786
Beam 748	Beam2	4: FICT 1	0	0	83	787
Beam 749	Beam2	4: FICT 1	0	0	84	788
Beam 750	Beam2	4: FICT 1	0	0	89	789
Beam 751	Beam2	4: FICT 1	0	0	90	790
Beam 752	Beam2	4: FICT 1	0	0	91	791
Beam 753	Beam2	4: FICT 1	0	0	92	792
Beam 754	Beam2	4: FICT 1	0	0	97	793
Beam 755	Beam2	4: FICT 1	0	0	98	794
Beam 756	Beam2	4: FICT 1	0	0	99	795
Beam 757	Beam2	4: FICT 1	0	0	100	796
Beam 758	Beam2	4: FICT 1	0	0	105	769
Beam 759	Beam2	4: FICT 1	0	0	106	770
Beam 760	Beam2	4: FICT 1	0	0	107	771
Beam 761	Beam2	4: FICT 1	0	0	108	772
Beam 762	Beam2	6: FICT 2	0	0	797	781
Beam 763	Beam2	6: FICT 2	0	0	798	782
Beam 764	Beam2	6: FICT 2	0	0	799	783
Beam 765	Beam2	6: FICT 2	0	0	800	784
Beam 766	Beam2	6: FICT 2	0	0	801	777
Beam 767	Beam2	6: FICT 2	0	0	802	778
Beam 768	Beam2	6: FICT 2	0	0	803	779
Beam 769	Beam2	6: FICT 2	0	0	804	780
Beam 770	Beam2	6: FICT 2	0	0	737	773
Beam 771	Beam2	6: FICT 2	0	0	738	774
Beam 772	Beam2	6: FICT 2	0	0	739	775
Beam 773	Beam2	6: FICT 2	0	0	740	776
Beam 774	Beam2	6: FICT 2	0	0	805	793
Beam 775	Beam2	6: FICT 2	0	0	806	794
Beam 776	Beam2	6: FICT 2	0	0	807	795
Beam 777	Beam2	6: FICT 2	0	0	808	796
Beam 778	Beam2	6: FICT 2	0	0	809	789
Beam 779	Beam2	6: FICT 2	0	0	810	790
Beam 780	Beam2	6: FICT 2	0	0	811	791
Beam 781	Beam2	6: FICT 2	0	0	812	792
Beam 782	Beam2	6: FICT 2	0	0	745	785
Beam 783	Beam2	6: FICT 2	0	0	746	786
Beam 784	Beam2	6: FICT 2	0	0	747	787
Beam 785	Beam2	6: FICT 2	0	0	748	788
Beam 786	Beam2	27: principali acciaio ala20	0	90	813	749
Beam 787	Beam2	27: principali acciaio ala20	0	90	814	750
Beam 788	Beam2	27: principali acciaio ala20	0	90	815	751
Beam 789	Beam2	3: PRINCIPALI - ACCIAIO	0	90	816	752
Beam 790	Beam2	3: PRINCIPALI - ACCIAIO	0	90	817	797
Beam 791	Beam2	3: PRINCIPALI - ACCIAIO	0	90	818	798
Beam 792	Beam2	3: PRINCIPALI - ACCIAIO	0	90	819	799
Beam 793	Beam2	3: PRINCIPALI - ACCIAIO	0	90	820	800
Beam 794	Beam2	3: PRINCIPALI - ACCIAIO	0	90	821	801
Beam 795	Beam2	3: PRINCIPALI - ACCIAIO	0	90	822	802
Beam 796	Beam2	3: PRINCIPALI - ACCIAIO	0	90	823	803

Beam 797	Beam2	3: PRINCIPALI - ACCIAIO	0	90	824	804
Beam 798	Beam2	27: principali acciaio ala20	0	90	825	757
Beam 799	Beam2	27: principali acciaio ala20	0	90	826	758
Beam 800	Beam2	27: principali acciaio ala20	0	90	827	759
Beam 801	Beam2	3: PRINCIPALI - ACCIAIO	0	90	828	760
Beam 802	Beam2	3: PRINCIPALI - ACCIAIO	0	90	829	805
Beam 803	Beam2	3: PRINCIPALI - ACCIAIO	0	90	830	806
Beam 804	Beam2	3: PRINCIPALI - ACCIAIO	0	90	831	807
Beam 805	Beam2	3: PRINCIPALI - ACCIAIO	0	90	832	808
Beam 806	Beam2	3: PRINCIPALI - ACCIAIO	0	90	833	809
Beam 807	Beam2	3: PRINCIPALI - ACCIAIO	0	90	834	810
Beam 808	Beam2	3: PRINCIPALI - ACCIAIO	0	90	835	811
Beam 809	Beam2	3: PRINCIPALI - ACCIAIO	0	90	836	812
Beam 810	Beam2	8: CONTROVENTI	0	0	43	449
Beam 811	Beam2	8: CONTROVENTI	0	0	701	450
Beam 812	Beam2	8: CONTROVENTI	0	0	449	25
Beam 813	Beam2	8: CONTROVENTI	0	0	450	413
Beam 814	Beam2	8: CONTROVENTI	0	0	25	433
Beam 815	Beam2	8: CONTROVENTI	0	0	413	434
Beam 816	Beam2	8: CONTROVENTI	0	0	433	44
Beam 817	Beam2	8: CONTROVENTI	0	0	434	717
Beam 818	Beam2	8: CONTROVENTI	0	0	44	401
Beam 819	Beam2	8: CONTROVENTI	0	0	717	402
Beam 820	Beam2	8: CONTROVENTI	0	0	412	720
Beam 821	Beam2	8: CONTROVENTI	0	0	720	444
Beam 822	Beam2	8: CONTROVENTI	0	0	444	416
Beam 823	Beam2	8: CONTROVENTI	0	0	416	460
Beam 824	Beam2	8: CONTROVENTI	0	0	460	704
Beam 825	Beam2	3: PRINCIPALI - ACCIAIO	0	90	45	733
Beam 826	Beam2	27: principali acciaio ala20	0	90	749	734
Beam 827	Beam2	27: principali acciaio ala20	0	90	750	735
Beam 828	Beam2	27: principali acciaio ala20	0	90	751	736
Beam 829	Beam2	3: PRINCIPALI - ACCIAIO	0	90	46	741
Beam 830	Beam2	27: principali acciaio ala20	0	90	757	742
Beam 831	Beam2	27: principali acciaio ala20	0	90	758	743
Beam 832	Beam2	27: principali acciaio ala20	0	90	759	744
Beam 833	Beam2	3: PRINCIPALI - ACCIAIO	0	90	797	813
Beam 834	Beam2	3: PRINCIPALI - ACCIAIO	0	90	798	814
Beam 835	Beam2	3: PRINCIPALI - ACCIAIO	0	90	799	815
Beam 836	Beam2	3: PRINCIPALI - ACCIAIO	0	90	800	816
Beam 837	Beam2	3: PRINCIPALI - ACCIAIO	0	90	801	817
Beam 838	Beam2	3: PRINCIPALI - ACCIAIO	0	90	802	818
Beam 839	Beam2	3: PRINCIPALI - ACCIAIO	0	90	803	819
Beam 840	Beam2	3: PRINCIPALI - ACCIAIO	0	90	804	820
Beam 841	Beam2	3: PRINCIPALI - ACCIAIO	0	90	737	821
Beam 842	Beam2	3: PRINCIPALI - ACCIAIO	0	90	738	822
Beam 843	Beam2	3: PRINCIPALI - ACCIAIO	0	90	739	823
Beam 844	Beam2	3: PRINCIPALI - ACCIAIO	0	90	740	824
Beam 845	Beam2	3: PRINCIPALI - ACCIAIO	0	90	805	825
Beam 846	Beam2	3: PRINCIPALI - ACCIAIO	0	90	806	826

Beam 847	Beam2	3: PRINCIPALI - ACCIAIO	0	90	807	827
Beam 848	Beam2	3: PRINCIPALI - ACCIAIO	0	90	808	828
Beam 849	Beam2	3: PRINCIPALI - ACCIAIO	0	90	809	829
Beam 850	Beam2	3: PRINCIPALI - ACCIAIO	0	90	810	830
Beam 851	Beam2	3: PRINCIPALI - ACCIAIO	0	90	811	831
Beam 852	Beam2	3: PRINCIPALI - ACCIAIO	0	90	812	832
Beam 853	Beam2	3: PRINCIPALI - ACCIAIO	0	90	745	833
Beam 854	Beam2	3: PRINCIPALI - ACCIAIO	0	90	746	834
Beam 855	Beam2	3: PRINCIPALI - ACCIAIO	0	90	747	835
Beam 856	Beam2	3: PRINCIPALI - ACCIAIO	0	90	748	836
Beam 987	Beam2	8: CONTROVENTI	0	0	452	712
Beam 988	Beam2	8: CONTROVENTI	0	0	411	719
Beam 989	Beam2	8: CONTROVENTI	0	0	719	443
Beam 990	Beam2	8: CONTROVENTI	0	0	443	415
Beam 991	Beam2	8: CONTROVENTI	0	0	415	459
Beam 992	Beam2	8: CONTROVENTI	0	0	459	703
Beam 993	Beam2	21: FICT 3	0	0	903	30
Beam 994	Beam2	21: FICT 3	0	0	904	44
Beam 995	Beam2	21: FICT 3	0	0	905	721
Beam 996	Beam2	21: FICT 3	0	0	906	497
Beam 997	Beam2	21: FICT 3	0	0	907	493
Beam 998	Beam2	21: FICT 3	0	0	908	717
Beam 999	Beam2	21: FICT 3	0	0	909	722
Beam 1000	Beam2	21: FICT 3	0	0	910	498
Beam 1001	Beam2	21: FICT 3	0	0	911	494
Beam 1002	Beam2	21: FICT 3	0	0	912	718
Beam 1003	Beam2	21: FICT 3	0	0	913	723
Beam 1004	Beam2	21: FICT 3	0	0	914	499
Beam 1005	Beam2	21: FICT 3	0	0	915	495
Beam 1006	Beam2	21: FICT 3	0	0	916	719
Beam 1007	Beam2	21: FICT 3	0	0	917	724
Beam 1008	Beam2	21: FICT 3	0	0	918	500
Beam 1009	Beam2	21: FICT 3	0	0	919	33
Beam 1010	Beam2	21: FICT 3	0	0	920	545
Beam 1011	Beam2	21: FICT 3	0	0	921	541
Beam 1012	Beam2	21: FICT 3	0	0	922	546
Beam 1013	Beam2	21: FICT 3	0	0	923	542
Beam 1014	Beam2	21: FICT 3	0	0	924	547
Beam 1015	Beam2	21: FICT 3	0	0	925	543
Beam 1016	Beam2	21: FICT 3	0	0	926	548
Beam 1017	Beam2	21: FICT 3	0	0	927	36
Beam 1018	Beam2	21: FICT 3	0	0	928	25
Beam 1019	Beam2	21: FICT 3	0	0	929	417
Beam 1020	Beam2	21: FICT 3	0	0	930	593
Beam 1021	Beam2	21: FICT 3	0	0	931	589
Beam 1022	Beam2	21: FICT 3	0	0	932	413
Beam 1023	Beam2	21: FICT 3	0	0	933	418
Beam 1024	Beam2	21: FICT 3	0	0	934	594
Beam 1025	Beam2	21: FICT 3	0	0	935	590
Beam 1026	Beam2	21: FICT 3	0	0	936	414

Beam 1027	Beam2	21: FICT 3	0	0	937	419
Beam 1028	Beam2	21: FICT 3	0	0	938	595
Beam 1029	Beam2	21: FICT 3	0	0	939	591
Beam 1030	Beam2	21: FICT 3	0	0	940	415
Beam 1031	Beam2	21: FICT 3	0	0	941	420
Beam 1032	Beam2	21: FICT 3	0	0	942	596
Beam 1033	Beam2	21: FICT 3	0	0	943	39
Beam 1034	Beam2	21: FICT 3	0	0	944	26
Beam 1035	Beam2	21: FICT 3	0	0	945	433
Beam 1036	Beam2	21: FICT 3	0	0	946	641
Beam 1037	Beam2	21: FICT 3	0	0	947	637
Beam 1038	Beam2	21: FICT 3	0	0	948	429
Beam 1039	Beam2	21: FICT 3	0	0	949	434
Beam 1040	Beam2	21: FICT 3	0	0	950	642
Beam 1041	Beam2	21: FICT 3	0	0	951	638
Beam 1042	Beam2	21: FICT 3	0	0	952	430
Beam 1043	Beam2	21: FICT 3	0	0	953	435
Beam 1044	Beam2	21: FICT 3	0	0	954	643
Beam 1045	Beam2	21: FICT 3	0	0	955	639
Beam 1046	Beam2	21: FICT 3	0	0	956	431
Beam 1047	Beam2	21: FICT 3	0	0	957	436
Beam 1048	Beam2	21: FICT 3	0	0	958	644
Beam 1049	Beam2	21: FICT 3	0	0	959	42
Beam 1050	Beam2	21: FICT 3	0	0	960	27
Beam 1051	Beam2	21: FICT 3	0	0	961	449
Beam 1052	Beam2	21: FICT 3	0	0	962	689
Beam 1053	Beam2	21: FICT 3	0	0	963	685
Beam 1054	Beam2	21: FICT 3	0	0	964	445
Beam 1055	Beam2	21: FICT 3	0	0	965	450
Beam 1056	Beam2	21: FICT 3	0	0	966	690
Beam 1057	Beam2	21: FICT 3	0	0	967	686
Beam 1058	Beam2	21: FICT 3	0	0	968	446
Beam 1059	Beam2	21: FICT 3	0	0	969	451
Beam 1060	Beam2	21: FICT 3	0	0	970	691
Beam 1061	Beam2	21: FICT 3	0	0	971	687
Beam 1062	Beam2	21: FICT 3	0	0	972	447
Beam 1063	Beam2	21: FICT 3	0	0	973	452
Beam 1064	Beam2	21: FICT 3	0	0	974	692
Beam 1065	Beam2	21: FICT 3	0	0	975	725
Beam 1066	Beam2	21: FICT 3	0	0	976	501
Beam 1067	Beam2	21: FICT 3	0	0	977	726
Beam 1068	Beam2	21: FICT 3	0	0	978	502
Beam 1069	Beam2	21: FICT 3	0	0	979	727
Beam 1070	Beam2	21: FICT 3	0	0	980	503
Beam 1071	Beam2	21: FICT 3	0	0	981	728
Beam 1072	Beam2	21: FICT 3	0	0	982	504
Beam 1073	Beam2	21: FICT 3	0	0	983	729
Beam 1074	Beam2	21: FICT 3	0	0	984	505
Beam 1075	Beam2	21: FICT 3	0	0	985	730
Beam 1076	Beam2	21: FICT 3	0	0	986	506

Beam 1077	Beam2	21: FICT 3	0	0	987	731
Beam 1078	Beam2	21: FICT 3	0	0	988	507
Beam 1079	Beam2	21: FICT 3	0	0	989	732
Beam 1080	Beam2	21: FICT 3	0	0	990	508
Beam 1081	Beam2	21: FICT 3	0	0	991	720
Beam 1082	Beam2	21: FICT 3	0	0	992	496
Beam 1083	Beam2	21: FICT 3	0	0	993	549
Beam 1084	Beam2	21: FICT 3	0	0	994	550
Beam 1085	Beam2	21: FICT 3	0	0	995	551
Beam 1086	Beam2	21: FICT 3	0	0	996	552
Beam 1087	Beam2	21: FICT 3	0	0	997	553
Beam 1088	Beam2	21: FICT 3	0	0	998	554
Beam 1089	Beam2	21: FICT 3	0	0	999	555
Beam 1090	Beam2	21: FICT 3	0	0	1000	556
Beam 1091	Beam2	21: FICT 3	0	0	1001	544
Beam 1092	Beam2	21: FICT 3	0	0	1002	421
Beam 1093	Beam2	21: FICT 3	0	0	1003	597
Beam 1094	Beam2	21: FICT 3	0	0	1004	422
Beam 1095	Beam2	21: FICT 3	0	0	1005	598
Beam 1096	Beam2	21: FICT 3	0	0	1006	423
Beam 1097	Beam2	21: FICT 3	0	0	1007	599
Beam 1098	Beam2	21: FICT 3	0	0	1008	424
Beam 1099	Beam2	21: FICT 3	0	0	1009	600
Beam 1100	Beam2	21: FICT 3	0	0	1010	425
Beam 1101	Beam2	21: FICT 3	0	0	1011	601
Beam 1102	Beam2	21: FICT 3	0	0	1012	426
Beam 1103	Beam2	21: FICT 3	0	0	1013	602
Beam 1104	Beam2	21: FICT 3	0	0	1014	427
Beam 1105	Beam2	21: FICT 3	0	0	1015	603
Beam 1106	Beam2	21: FICT 3	0	0	1016	428
Beam 1107	Beam2	21: FICT 3	0	0	1017	604
Beam 1108	Beam2	21: FICT 3	0	0	1018	416
Beam 1109	Beam2	21: FICT 3	0	0	1019	592
Beam 1110	Beam2	21: FICT 3	0	0	1020	437
Beam 1111	Beam2	21: FICT 3	0	0	1021	645
Beam 1112	Beam2	21: FICT 3	0	0	1022	438
Beam 1113	Beam2	21: FICT 3	0	0	1023	646
Beam 1114	Beam2	21: FICT 3	0	0	1024	439
Beam 1115	Beam2	21: FICT 3	0	0	1025	647
Beam 1116	Beam2	21: FICT 3	0	0	1026	440
Beam 1117	Beam2	21: FICT 3	0	0	1027	648
Beam 1118	Beam2	21: FICT 3	0	0	1028	441
Beam 1119	Beam2	21: FICT 3	0	0	1029	649
Beam 1120	Beam2	21: FICT 3	0	0	1030	442
Beam 1121	Beam2	21: FICT 3	0	0	1031	650
Beam 1122	Beam2	21: FICT 3	0	0	1032	443
Beam 1123	Beam2	21: FICT 3	0	0	1033	651
Beam 1124	Beam2	21: FICT 3	0	0	1034	444
Beam 1125	Beam2	21: FICT 3	0	0	1035	652
Beam 1126	Beam2	21: FICT 3	0	0	1036	432

Beam 112	Beam2	21: FICT 3	0	0	1037	640
Beam 112	Beam2	21: FICT 3	0	0	1038	453
Beam 112	Beam2	21: FICT 3	0	0	1039	693
Beam 113	Beam2	21: FICT 3	0	0	1040	454
Beam 113	Beam2	21: FICT 3	0	0	1041	694
Beam 113	Beam2	21: FICT 3	0	0	1042	455
Beam 113	Beam2	21: FICT 3	0	0	1043	695
Beam 113	Beam2	21: FICT 3	0	0	1044	456
Beam 113	Beam2	21: FICT 3	0	0	1045	696
Beam 113	Beam2	21: FICT 3	0	0	1046	457
Beam 113	Beam2	21: FICT 3	0	0	1047	697
Beam 113	Beam2	21: FICT 3	0	0	1048	458
Beam 113	Beam2	21: FICT 3	0	0	1049	698
Beam 114	Beam2	21: FICT 3	0	0	1050	459
Beam 114	Beam2	21: FICT 3	0	0	1051	699
Beam 114	Beam2	21: FICT 3	0	0	1052	460
Beam 114	Beam2	21: FICT 3	0	0	1053	700
Beam 114	Beam2	21: FICT 3	0	0	1054	448
Beam 114	Beam2	21: FICT 3	0	0	1055	688
Beam 114	Beam2	21: FICT 3	0	0	1056	28
Beam 114	Beam2	21: FICT 3	0	0	1057	465
Beam 114	Beam2	21: FICT 3	0	0	1058	461
Beam 114	Beam2	21: FICT 3	0	0	1059	466
Beam 115	Beam2	21: FICT 3	0	0	1060	462
Beam 115	Beam2	21: FICT 3	0	0	1061	467
Beam 115	Beam2	21: FICT 3	0	0	1062	463
Beam 115	Beam2	21: FICT 3	0	0	1063	468
Beam 115	Beam2	21: FICT 3	0	0	1064	29
Beam 115	Beam2	21: FICT 3	0	0	1065	481
Beam 115	Beam2	21: FICT 3	0	0	1066	477
Beam 115	Beam2	21: FICT 3	0	0	1067	482
Beam 115	Beam2	21: FICT 3	0	0	1068	478
Beam 115	Beam2	21: FICT 3	0	0	1069	483
Beam 116	Beam2	21: FICT 3	0	0	1070	479
Beam 116	Beam2	21: FICT 3	0	0	1071	484
Beam 116	Beam2	21: FICT 3	0	0	1072	31
Beam 116	Beam2	21: FICT 3	0	0	1073	24
Beam 116	Beam2	21: FICT 3	0	0	1074	401
Beam 116	Beam2	21: FICT 3	0	0	1075	513
Beam 116	Beam2	21: FICT 3	0	0	1076	509
Beam 116	Beam2	21: FICT 3	0	0	1077	397
Beam 116	Beam2	21: FICT 3	0	0	1078	402
Beam 116	Beam2	21: FICT 3	0	0	1079	514
Beam 117	Beam2	21: FICT 3	0	0	1080	510
Beam 117	Beam2	21: FICT 3	0	0	1081	398
Beam 117	Beam2	21: FICT 3	0	0	1082	403
Beam 117	Beam2	21: FICT 3	0	0	1083	515
Beam 117	Beam2	21: FICT 3	0	0	1084	511
Beam 117	Beam2	21: FICT 3	0	0	1085	399
Beam 117	Beam2	21: FICT 3	0	0	1086	404

Beam 1177	Beam2	21: FICT 3	0	0	1087	516
Beam 1178	Beam2	21: FICT 3	0	0	1088	32
Beam 1179	Beam2	21: FICT 3	0	0	1089	529
Beam 1180	Beam2	21: FICT 3	0	0	1090	525
Beam 1181	Beam2	21: FICT 3	0	0	1091	530
Beam 1182	Beam2	21: FICT 3	0	0	1092	526
Beam 1183	Beam2	21: FICT 3	0	0	1093	531
Beam 1184	Beam2	21: FICT 3	0	0	1094	527
Beam 1185	Beam2	21: FICT 3	0	0	1095	532
Beam 1186	Beam2	21: FICT 3	0	0	1096	34
Beam 1187	Beam2	21: FICT 3	0	0	1097	561
Beam 1188	Beam2	21: FICT 3	0	0	1098	557
Beam 1189	Beam2	21: FICT 3	0	0	1099	562
Beam 1190	Beam2	21: FICT 3	0	0	1100	558
Beam 1191	Beam2	21: FICT 3	0	0	1101	563
Beam 1192	Beam2	21: FICT 3	0	0	1102	559
Beam 1193	Beam2	21: FICT 3	0	0	1103	564
Beam 1194	Beam2	21: FICT 3	0	0	1104	35
Beam 1195	Beam2	21: FICT 3	0	0	1105	577
Beam 1196	Beam2	21: FICT 3	0	0	1106	573
Beam 1197	Beam2	21: FICT 3	0	0	1107	578
Beam 1198	Beam2	21: FICT 3	0	0	1108	574
Beam 1199	Beam2	21: FICT 3	0	0	1109	579
Beam 1200	Beam2	21: FICT 3	0	0	1110	575
Beam 1201	Beam2	21: FICT 3	0	0	1111	580
Beam 1202	Beam2	21: FICT 3	0	0	1112	37
Beam 1203	Beam2	21: FICT 3	0	0	1113	609
Beam 1204	Beam2	21: FICT 3	0	0	1114	605
Beam 1205	Beam2	21: FICT 3	0	0	1115	610
Beam 1206	Beam2	21: FICT 3	0	0	1116	606
Beam 1207	Beam2	21: FICT 3	0	0	1117	611
Beam 1208	Beam2	21: FICT 3	0	0	1118	607
Beam 1209	Beam2	21: FICT 3	0	0	1119	612
Beam 1210	Beam2	21: FICT 3	0	0	1120	38
Beam 1211	Beam2	21: FICT 3	0	0	1121	625
Beam 1212	Beam2	21: FICT 3	0	0	1122	621
Beam 1213	Beam2	21: FICT 3	0	0	1123	626
Beam 1214	Beam2	21: FICT 3	0	0	1124	622
Beam 1215	Beam2	21: FICT 3	0	0	1125	627
Beam 1216	Beam2	21: FICT 3	0	0	1126	623
Beam 1217	Beam2	21: FICT 3	0	0	1127	628
Beam 1218	Beam2	21: FICT 3	0	0	1128	43
Beam 1219	Beam2	21: FICT 3	0	0	1129	40
Beam 1220	Beam2	21: FICT 3	0	0	1130	657
Beam 1221	Beam2	21: FICT 3	0	0	1131	705
Beam 1222	Beam2	21: FICT 3	0	0	1132	701
Beam 1223	Beam2	21: FICT 3	0	0	1133	653
Beam 1224	Beam2	21: FICT 3	0	0	1134	658
Beam 1225	Beam2	21: FICT 3	0	0	1135	706
Beam 1226	Beam2	21: FICT 3	0	0	1136	702

Beam 122	Beam2	21: FICT 3	0	0	1137	654
Beam 122	Beam2	21: FICT 3	0	0	1138	659
Beam 122	Beam2	21: FICT 3	0	0	1139	707
Beam 123	Beam2	21: FICT 3	0	0	1140	703
Beam 123	Beam2	21: FICT 3	0	0	1141	655
Beam 123	Beam2	21: FICT 3	0	0	1142	660
Beam 123	Beam2	21: FICT 3	0	0	1143	708
Beam 123	Beam2	21: FICT 3	0	0	1144	41
Beam 123	Beam2	21: FICT 3	0	0	1145	673
Beam 123	Beam2	21: FICT 3	0	0	1146	669
Beam 123	Beam2	21: FICT 3	0	0	1147	674
Beam 123	Beam2	21: FICT 3	0	0	1148	670
Beam 123	Beam2	21: FICT 3	0	0	1149	675
Beam 124	Beam2	21: FICT 3	0	0	1150	671
Beam 124	Beam2	21: FICT 3	0	0	1151	676
Beam 124	Beam2	21: FICT 3	0	0	1152	469
Beam 124	Beam2	21: FICT 3	0	0	1153	470
Beam 124	Beam2	21: FICT 3	0	0	1154	471
Beam 124	Beam2	21: FICT 3	0	0	1155	472
Beam 124	Beam2	21: FICT 3	0	0	1156	485
Beam 124	Beam2	21: FICT 3	0	0	1157	486
Beam 124	Beam2	21: FICT 3	0	0	1158	487
Beam 124	Beam2	21: FICT 3	0	0	1159	488
Beam 125	Beam2	21: FICT 3	0	0	1160	473
Beam 125	Beam2	21: FICT 3	0	0	1161	474
Beam 125	Beam2	21: FICT 3	0	0	1162	475
Beam 125	Beam2	21: FICT 3	0	0	1163	476
Beam 125	Beam2	21: FICT 3	0	0	1164	489
Beam 125	Beam2	21: FICT 3	0	0	1165	490
Beam 125	Beam2	21: FICT 3	0	0	1166	491
Beam 125	Beam2	21: FICT 3	0	0	1167	492
Beam 125	Beam2	21: FICT 3	0	0	1168	464
Beam 125	Beam2	21: FICT 3	0	0	1169	480
Beam 126	Beam2	21: FICT 3	0	0	1170	405
Beam 126	Beam2	21: FICT 3	0	0	1171	517
Beam 126	Beam2	21: FICT 3	0	0	1172	406
Beam 126	Beam2	21: FICT 3	0	0	1173	518
Beam 126	Beam2	21: FICT 3	0	0	1174	407
Beam 126	Beam2	21: FICT 3	0	0	1175	519
Beam 126	Beam2	21: FICT 3	0	0	1176	408
Beam 126	Beam2	21: FICT 3	0	0	1177	520
Beam 126	Beam2	21: FICT 3	0	0	1178	533
Beam 126	Beam2	21: FICT 3	0	0	1179	534
Beam 127	Beam2	21: FICT 3	0	0	1180	535
Beam 127	Beam2	21: FICT 3	0	0	1181	536
Beam 127	Beam2	21: FICT 3	0	0	1182	409
Beam 127	Beam2	21: FICT 3	0	0	1183	521
Beam 127	Beam2	21: FICT 3	0	0	1184	410
Beam 127	Beam2	21: FICT 3	0	0	1185	522
Beam 127	Beam2	21: FICT 3	0	0	1186	411

Beam 127	Beam2	21: FICT 3	0	0	1187	523
Beam 127	Beam2	21: FICT 3	0	0	1188	412
Beam 127	Beam2	21: FICT 3	0	0	1189	524
Beam 128	Beam2	21: FICT 3	0	0	1190	537
Beam 128	Beam2	21: FICT 3	0	0	1191	538
Beam 128	Beam2	21: FICT 3	0	0	1192	539
Beam 128	Beam2	21: FICT 3	0	0	1193	540
Beam 128	Beam2	21: FICT 3	0	0	1194	400
Beam 128	Beam2	21: FICT 3	0	0	1195	512
Beam 128	Beam2	21: FICT 3	0	0	1196	528
Beam 128	Beam2	21: FICT 3	0	0	1197	565
Beam 128	Beam2	21: FICT 3	0	0	1198	566
Beam 128	Beam2	21: FICT 3	0	0	1199	567
Beam 129	Beam2	21: FICT 3	0	0	1200	568
Beam 129	Beam2	21: FICT 3	0	0	1201	581
Beam 129	Beam2	21: FICT 3	0	0	1202	582
Beam 129	Beam2	21: FICT 3	0	0	1203	583
Beam 129	Beam2	21: FICT 3	0	0	1204	584
Beam 129	Beam2	21: FICT 3	0	0	1205	569
Beam 129	Beam2	21: FICT 3	0	0	1206	570
Beam 129	Beam2	21: FICT 3	0	0	1207	571
Beam 129	Beam2	21: FICT 3	0	0	1208	572
Beam 129	Beam2	21: FICT 3	0	0	1209	585
Beam 130	Beam2	21: FICT 3	0	0	1210	586
Beam 130	Beam2	21: FICT 3	0	0	1211	587
Beam 130	Beam2	21: FICT 3	0	0	1212	588
Beam 130	Beam2	21: FICT 3	0	0	1213	560
Beam 130	Beam2	21: FICT 3	0	0	1214	576
Beam 130	Beam2	21: FICT 3	0	0	1215	613
Beam 130	Beam2	21: FICT 3	0	0	1216	614
Beam 130	Beam2	21: FICT 3	0	0	1217	615
Beam 130	Beam2	21: FICT 3	0	0	1218	616
Beam 130	Beam2	21: FICT 3	0	0	1219	629
Beam 131	Beam2	21: FICT 3	0	0	1220	630
Beam 131	Beam2	21: FICT 3	0	0	1221	631
Beam 131	Beam2	21: FICT 3	0	0	1222	632
Beam 131	Beam2	21: FICT 3	0	0	1223	617
Beam 131	Beam2	21: FICT 3	0	0	1224	618
Beam 131	Beam2	21: FICT 3	0	0	1225	619
Beam 131	Beam2	21: FICT 3	0	0	1226	620
Beam 131	Beam2	21: FICT 3	0	0	1227	633
Beam 131	Beam2	21: FICT 3	0	0	1228	634
Beam 131	Beam2	21: FICT 3	0	0	1229	635
Beam 132	Beam2	21: FICT 3	0	0	1230	636
Beam 132	Beam2	21: FICT 3	0	0	1231	608
Beam 132	Beam2	21: FICT 3	0	0	1232	624
Beam 132	Beam2	21: FICT 3	0	0	1233	661
Beam 132	Beam2	21: FICT 3	0	0	1234	709
Beam 132	Beam2	21: FICT 3	0	0	1235	662
Beam 132	Beam2	21: FICT 3	0	0	1236	710

Beam 1327	Beam2	21: FICT 3	0	0	1237	663
Beam 1328	Beam2	21: FICT 3	0	0	1238	711
Beam 1329	Beam2	21: FICT 3	0	0	1239	664
Beam 1330	Beam2	21: FICT 3	0	0	1240	712
Beam 1331	Beam2	21: FICT 3	0	0	1241	677
Beam 1332	Beam2	21: FICT 3	0	0	1242	678
Beam 1333	Beam2	21: FICT 3	0	0	1243	679
Beam 1334	Beam2	21: FICT 3	0	0	1244	680
Beam 1335	Beam2	21: FICT 3	0	0	1245	665
Beam 1336	Beam2	21: FICT 3	0	0	1246	713
Beam 1337	Beam2	21: FICT 3	0	0	1247	666
Beam 1338	Beam2	21: FICT 3	0	0	1248	714
Beam 1339	Beam2	21: FICT 3	0	0	1249	667
Beam 1340	Beam2	21: FICT 3	0	0	1250	715
Beam 1341	Beam2	21: FICT 3	0	0	1251	668
Beam 1342	Beam2	21: FICT 3	0	0	1252	716
Beam 1343	Beam2	21: FICT 3	0	0	1253	681
Beam 1344	Beam2	21: FICT 3	0	0	1254	682
Beam 1345	Beam2	21: FICT 3	0	0	1255	683
Beam 1346	Beam2	21: FICT 3	0	0	1256	684
Beam 1347	Beam2	21: FICT 3	0	0	1257	656
Beam 1348	Beam2	21: FICT 3	0	0	1258	704
Beam 1349	Beam2	21: FICT 3	0	0	1259	672
Beam 1350	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1260	1261
Beam 1351	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1261	1262
Beam 1352	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1262	3
Beam 1353	Beam2	4: FICT 1	0	0	1260	1263
Beam 1354	Beam2	4: FICT 1	0	0	1261	1264
Beam 1355	Beam2	4: FICT 1	0	0	1262	1265
Beam 1356	Beam2	2: PRINCIPALI - LAMELLARE	0	90	384	1266
Beam 1357	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1267	1268
Beam 1358	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1269	1270
Beam 1359	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1271	1272
Beam 1360	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1273	1274
Beam 1361	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1268	1275
Beam 1362	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1270	1276
Beam 1363	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1272	1277
Beam 1364	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1274	1278
Beam 1365	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1275	61
Beam 1366	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1276	62
Beam 1367	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1277	63
Beam 1368	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1278	64
Beam 1369	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1279	1280
Beam 1370	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1281	1282
Beam 1371	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1283	1284
Beam 1372	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1285	1286
Beam 1373	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1280	1287
Beam 1374	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1282	1288
Beam 1375	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1284	1289
Beam 1376	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1286	1290

Beam 137	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1287	65
Beam 137	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1288	66
Beam 137	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1289	67
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1290	68
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1291	1292
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1293	1294
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1295	1296
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1297	1298
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1292	1299
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1294	1300
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1296	1301
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1298	1302
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1299	69
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1300	70
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1301	71
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1302	72
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1303	1304
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1305	1306
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1307	1308
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1309	1310
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1304	1311
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1306	1312
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1308	1313
Beam 140	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1310	1314
Beam 140	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1311	73
Beam 140	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1312	74
Beam 140	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1313	75
Beam 140	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1314	76
Beam 140	Beam2	4: FICT 1	0	0	1267	1347
Beam 140	Beam2	4: FICT 1	0	0	1269	1349
Beam 140	Beam2	4: FICT 1	0	0	1271	1351
Beam 140	Beam2	4: FICT 1	0	0	1273	1353
Beam 140	Beam2	4: FICT 1	0	0	1279	1354
Beam 141	Beam2	4: FICT 1	0	0	1281	1355
Beam 141	Beam2	4: FICT 1	0	0	1283	1356
Beam 141	Beam2	4: FICT 1	0	0	1285	1357
Beam 141	Beam2	4: FICT 1	0	0	1291	1358
Beam 141	Beam2	4: FICT 1	0	0	1293	1359
Beam 141	Beam2	4: FICT 1	0	0	1295	1360
Beam 141	Beam2	4: FICT 1	0	0	1297	1361
Beam 141	Beam2	4: FICT 1	0	0	1303	1348
Beam 141	Beam2	4: FICT 1	0	0	1305	1350
Beam 141	Beam2	4: FICT 1	0	0	1307	1352
Beam 142	Beam2	4: FICT 1	0	0	1309	1362
Beam 142	Beam2	4: FICT 1	0	0	1268	1315
Beam 142	Beam2	4: FICT 1	0	0	1270	1317
Beam 142	Beam2	4: FICT 1	0	0	1272	1319
Beam 142	Beam2	4: FICT 1	0	0	1274	1321
Beam 142	Beam2	4: FICT 1	0	0	1275	1331
Beam 142	Beam2	4: FICT 1	0	0	1276	1333

Beam 142	Beam2	4: FICT 1	0	0	1277	1335
Beam 142	Beam2	4: FICT 1	0	0	1278	1337
Beam 142	Beam2	4: FICT 1	0	0	1280	1322
Beam 143	Beam2	4: FICT 1	0	0	1282	1323
Beam 143	Beam2	4: FICT 1	0	0	1284	1324
Beam 143	Beam2	4: FICT 1	0	0	1286	1325
Beam 143	Beam2	4: FICT 1	0	0	1287	1338
Beam 143	Beam2	4: FICT 1	0	0	1288	1339
Beam 143	Beam2	4: FICT 1	0	0	1289	1340
Beam 143	Beam2	4: FICT 1	0	0	1290	1341
Beam 143	Beam2	4: FICT 1	0	0	1292	1326
Beam 143	Beam2	4: FICT 1	0	0	1294	1327
Beam 143	Beam2	4: FICT 1	0	0	1296	1328
Beam 144	Beam2	4: FICT 1	0	0	1298	1329
Beam 144	Beam2	4: FICT 1	0	0	1299	1342
Beam 144	Beam2	4: FICT 1	0	0	1300	1343
Beam 144	Beam2	4: FICT 1	0	0	1301	1344
Beam 144	Beam2	4: FICT 1	0	0	1302	1345
Beam 144	Beam2	4: FICT 1	0	0	1304	1316
Beam 144	Beam2	4: FICT 1	0	0	1306	1318
Beam 144	Beam2	4: FICT 1	0	0	1308	1320
Beam 144	Beam2	4: FICT 1	0	0	1310	1330
Beam 144	Beam2	4: FICT 1	0	0	1311	1332
Beam 145	Beam2	4: FICT 1	0	0	1312	1334
Beam 145	Beam2	4: FICT 1	0	0	1313	1336
Beam 145	Beam2	4: FICT 1	0	0	1314	1346
Beam 145	Beam2	21: FICT 3	0	0	1368	1265
Beam 145	Beam2	21: FICT 3	0	0	1395	1331
Beam 145	Beam2	21: FICT 3	0	0	1369	1332
Beam 145	Beam2	21: FICT 3	0	0	1396	1333
Beam 145	Beam2	21: FICT 3	0	0	1370	1334
Beam 145	Beam2	21: FICT 3	0	0	1371	1335
Beam 145	Beam2	21: FICT 3	0	0	1372	1336
Beam 146	Beam2	21: FICT 3	0	0	1373	1337
Beam 146	Beam2	21: FICT 3	0	0	1402	1338
Beam 146	Beam2	21: FICT 3	0	0	1377	1339
Beam 146	Beam2	21: FICT 3	0	0	1378	1340
Beam 146	Beam2	21: FICT 3	0	0	1379	1341
Beam 146	Beam2	21: FICT 3	0	0	1382	1342
Beam 146	Beam2	21: FICT 3	0	0	1409	1343
Beam 146	Beam2	21: FICT 3	0	0	1410	1344
Beam 146	Beam2	21: FICT 3	0	0	1411	1345
Beam 146	Beam2	21: FICT 3	0	0	1413	1346
Beam 147	Beam2	21: FICT 3	0	0	1363	1264
Beam 147	Beam2	21: FICT 3	0	0	1364	1315
Beam 147	Beam2	21: FICT 3	0	0	1387	1316
Beam 147	Beam2	21: FICT 3	0	0	1365	1317
Beam 147	Beam2	21: FICT 3	0	0	1390	1318
Beam 147	Beam2	21: FICT 3	0	0	1366	1319
Beam 147	Beam2	21: FICT 3	0	0	1393	1320

Beam 147	Beam2	21: FICT 3	0	0	1367	1321
Beam 147	Beam2	21: FICT 3	0	0	1374	1322
Beam 147	Beam2	21: FICT 3	0	0	1375	1323
Beam 148	Beam2	21: FICT 3	0	0	1376	1324
Beam 148	Beam2	21: FICT 3	0	0	1400	1325
Beam 148	Beam2	21: FICT 3	0	0	1403	1326
Beam 148	Beam2	21: FICT 3	0	0	1405	1327
Beam 148	Beam2	21: FICT 3	0	0	1380	1328
Beam 148	Beam2	21: FICT 3	0	0	1381	1329
Beam 148	Beam2	21: FICT 3	0	0	1383	1330
Beam 148	Beam2	21: FICT 3	0	0	1384	1263
Beam 148	Beam2	21: FICT 3	0	0	1385	1347
Beam 148	Beam2	21: FICT 3	0	0	1386	1348
Beam 149	Beam2	21: FICT 3	0	0	1388	1349
Beam 149	Beam2	21: FICT 3	0	0	1389	1350
Beam 149	Beam2	21: FICT 3	0	0	1391	1351
Beam 149	Beam2	21: FICT 3	0	0	1392	1352
Beam 149	Beam2	21: FICT 3	0	0	1394	1353
Beam 149	Beam2	21: FICT 3	0	0	1397	1354
Beam 149	Beam2	21: FICT 3	0	0	1398	1355
Beam 149	Beam2	21: FICT 3	0	0	1399	1356
Beam 149	Beam2	21: FICT 3	0	0	1401	1357
Beam 149	Beam2	21: FICT 3	0	0	1404	1358
Beam 150	Beam2	21: FICT 3	0	0	1406	1359
Beam 150	Beam2	21: FICT 3	0	0	1407	1360
Beam 150	Beam2	21: FICT 3	0	0	1408	1361
Beam 150	Beam2	21: FICT 3	0	0	1412	1362
Beam 150	Beam2	10: COLONNE - CA 100cm	0	0	1	48
Beam 150	Beam2	10: COLONNE - CA 100cm	0	0	2	47
Beam 150	Beam2	10: COLONNE - CA 100cm	0	0	53	761
Beam 150	Beam2	10: COLONNE - CA 100cm	0	0	54	762
Beam 150	Beam2	10: COLONNE - CA 100cm	0	0	55	763
Beam 150	Beam2	10: COLONNE - CA 100cm	0	0	56	764
Beam 151	Beam2	10: COLONNE - CA 100cm	0	0	57	753
Beam 151	Beam2	10: COLONNE - CA 100cm	0	0	58	754
Beam 151	Beam2	10: COLONNE - CA 100cm	0	0	59	755
Beam 151	Beam2	10: COLONNE - CA 100cm	0	0	60	756
Beam 151	Beam2	5: ARCARECCI - LAMELLARE	0	90	24	401
Beam 151	Beam2	5: ARCARECCI - LAMELLARE	0	90	25	417
Beam 151	Beam2	5: ARCARECCI - LAMELLARE	0	90	26	433
Beam 151	Beam2	5: ARCARECCI - LAMELLARE	0	90	27	449
Beam 151	Beam2	5: ARCARECCI - LAMELLARE	0	90	28	465
Beam 151	Beam2	5: ARCARECCI - LAMELLARE	0	90	29	481
Beam 152	Beam2	5: ARCARECCI - LAMELLARE	0	90	30	497
Beam 152	Beam2	5: ARCARECCI - LAMELLARE	0	90	31	513
Beam 152	Beam2	5: ARCARECCI - LAMELLARE	0	90	32	529
Beam 152	Beam2	5: ARCARECCI - LAMELLARE	0	90	33	545
Beam 152	Beam2	5: ARCARECCI - LAMELLARE	0	90	34	561
Beam 152	Beam2	5: ARCARECCI - LAMELLARE	0	90	35	577
Beam 152	Beam2	5: ARCARECCI - LAMELLARE	0	90	36	593

Beam 152	Beam2	5: ARCARECCI - LAMELLARE	0	90	37	609
Beam 152	Beam2	5: ARCARECCI - LAMELLARE	0	90	38	625
Beam 152	Beam2	5: ARCARECCI - LAMELLARE	0	90	39	641
Beam 153	Beam2	5: ARCARECCI - LAMELLARE	0	90	40	657
Beam 153	Beam2	5: ARCARECCI - LAMELLARE	0	90	41	673
Beam 153	Beam2	5: ARCARECCI - LAMELLARE	0	90	42	689
Beam 153	Beam2	5: ARCARECCI - LAMELLARE	0	90	43	705
Beam 153	Beam2	5: ARCARECCI - LAMELLARE	0	90	44	721
Beam 153	Beam2	5: ARCARECCI - LAMELLARE	0	90	1264	1315
Beam 153	Beam2	5: ARCARECCI - LAMELLARE	0	90	1265	1331
Beam 153	Beam2	5: ARCARECCI - LAMELLARE	0	90	1263	1347
Beam 153	Beam2	5: ARCARECCI - LAMELLARE	0	90	401	405
Beam 153	Beam2	5: ARCARECCI - LAMELLARE	0	90	417	421
Beam 154	Beam2	5: ARCARECCI - LAMELLARE	0	90	433	437
Beam 154	Beam2	5: ARCARECCI - LAMELLARE	0	90	449	453
Beam 154	Beam2	5: ARCARECCI - LAMELLARE	0	90	465	469
Beam 154	Beam2	5: ARCARECCI - LAMELLARE	0	90	481	485
Beam 154	Beam2	5: ARCARECCI - LAMELLARE	0	90	497	501
Beam 154	Beam2	5: ARCARECCI - LAMELLARE	0	90	513	517
Beam 154	Beam2	5: ARCARECCI - LAMELLARE	0	90	529	533
Beam 154	Beam2	5: ARCARECCI - LAMELLARE	0	90	545	549
Beam 154	Beam2	5: ARCARECCI - LAMELLARE	0	90	561	565
Beam 154	Beam2	5: ARCARECCI - LAMELLARE	0	90	577	581
Beam 155	Beam2	5: ARCARECCI - LAMELLARE	0	90	593	597
Beam 155	Beam2	5: ARCARECCI - LAMELLARE	0	90	609	613
Beam 155	Beam2	5: ARCARECCI - LAMELLARE	0	90	625	629
Beam 155	Beam2	5: ARCARECCI - LAMELLARE	0	90	641	645
Beam 155	Beam2	5: ARCARECCI - LAMELLARE	0	90	657	661
Beam 155	Beam2	5: ARCARECCI - LAMELLARE	0	90	673	677
Beam 155	Beam2	5: ARCARECCI - LAMELLARE	0	90	689	693
Beam 155	Beam2	5: ARCARECCI - LAMELLARE	0	90	705	709
Beam 155	Beam2	5: ARCARECCI - LAMELLARE	0	90	721	725
Beam 155	Beam2	5: ARCARECCI - LAMELLARE	0	90	1315	1322
Beam 156	Beam2	5: ARCARECCI - LAMELLARE	0	90	1331	1338
Beam 156	Beam2	5: ARCARECCI - LAMELLARE	0	90	1347	1354
Beam 156	Beam2	5: ARCARECCI - LAMELLARE	0	90	405	409
Beam 156	Beam2	5: ARCARECCI - LAMELLARE	0	90	421	425
Beam 156	Beam2	5: ARCARECCI - LAMELLARE	0	90	437	441
Beam 156	Beam2	5: ARCARECCI - LAMELLARE	0	90	453	457
Beam 156	Beam2	5: ARCARECCI - LAMELLARE	0	90	469	473
Beam 156	Beam2	5: ARCARECCI - LAMELLARE	0	90	485	489
Beam 156	Beam2	5: ARCARECCI - LAMELLARE	0	90	501	505
Beam 156	Beam2	5: ARCARECCI - LAMELLARE	0	90	517	521
Beam 157	Beam2	5: ARCARECCI - LAMELLARE	0	90	533	537
Beam 157	Beam2	5: ARCARECCI - LAMELLARE	0	90	549	553
Beam 157	Beam2	5: ARCARECCI - LAMELLARE	0	90	565	569
Beam 157	Beam2	5: ARCARECCI - LAMELLARE	0	90	581	585
Beam 157	Beam2	5: ARCARECCI - LAMELLARE	0	90	597	601
Beam 157	Beam2	5: ARCARECCI - LAMELLARE	0	90	613	617
Beam 157	Beam2	5: ARCARECCI - LAMELLARE	0	90	629	633

Beam 157	Beam2	5: ARCARECCI - LAMELLARE	0	90	645	649
Beam 157	Beam2	5: ARCARECCI - LAMELLARE	0	90	661	665
Beam 157	Beam2	5: ARCARECCI - LAMELLARE	0	90	677	681
Beam 158	Beam2	5: ARCARECCI - LAMELLARE	0	90	693	697
Beam 158	Beam2	5: ARCARECCI - LAMELLARE	0	90	709	713
Beam 158	Beam2	5: ARCARECCI - LAMELLARE	0	90	725	729
Beam 158	Beam2	5: ARCARECCI - LAMELLARE	0	90	1322	1326
Beam 158	Beam2	5: ARCARECCI - LAMELLARE	0	90	1338	1342
Beam 158	Beam2	5: ARCARECCI - LAMELLARE	0	90	1354	1358
Beam 158	Beam2	5: ARCARECCI - LAMELLARE	0	90	409	397
Beam 158	Beam2	5: ARCARECCI - LAMELLARE	0	90	425	413
Beam 158	Beam2	5: ARCARECCI - LAMELLARE	0	90	441	429
Beam 158	Beam2	5: ARCARECCI - LAMELLARE	0	90	457	445
Beam 159	Beam2	5: ARCARECCI - LAMELLARE	0	90	473	461
Beam 159	Beam2	5: ARCARECCI - LAMELLARE	0	90	489	477
Beam 159	Beam2	5: ARCARECCI - LAMELLARE	0	90	505	493
Beam 159	Beam2	5: ARCARECCI - LAMELLARE	0	90	521	509
Beam 159	Beam2	5: ARCARECCI - LAMELLARE	0	90	537	525
Beam 159	Beam2	5: ARCARECCI - LAMELLARE	0	90	553	541
Beam 159	Beam2	5: ARCARECCI - LAMELLARE	0	90	569	557
Beam 159	Beam2	5: ARCARECCI - LAMELLARE	0	90	585	573
Beam 159	Beam2	5: ARCARECCI - LAMELLARE	0	90	601	589
Beam 159	Beam2	5: ARCARECCI - LAMELLARE	0	90	617	605
Beam 160	Beam2	5: ARCARECCI - LAMELLARE	0	90	633	621
Beam 160	Beam2	5: ARCARECCI - LAMELLARE	0	90	649	637
Beam 160	Beam2	5: ARCARECCI - LAMELLARE	0	90	665	653
Beam 160	Beam2	5: ARCARECCI - LAMELLARE	0	90	681	669
Beam 160	Beam2	5: ARCARECCI - LAMELLARE	0	90	697	685
Beam 160	Beam2	5: ARCARECCI - LAMELLARE	0	90	713	701
Beam 160	Beam2	5: ARCARECCI - LAMELLARE	0	90	729	717
Beam 160	Beam2	5: ARCARECCI - LAMELLARE	0	90	1326	1316
Beam 160	Beam2	5: ARCARECCI - LAMELLARE	0	90	1342	1332
Beam 160	Beam2	5: ARCARECCI - LAMELLARE	0	90	1358	1348
Beam 161	Beam2	5: ARCARECCI - LAMELLARE	0	90	397	402
Beam 161	Beam2	5: ARCARECCI - LAMELLARE	0	90	413	418
Beam 161	Beam2	5: ARCARECCI - LAMELLARE	0	90	429	434
Beam 161	Beam2	5: ARCARECCI - LAMELLARE	0	90	445	450
Beam 161	Beam2	5: ARCARECCI - LAMELLARE	0	90	461	466
Beam 161	Beam2	5: ARCARECCI - LAMELLARE	0	90	477	482
Beam 161	Beam2	5: ARCARECCI - LAMELLARE	0	90	493	498
Beam 161	Beam2	5: ARCARECCI - LAMELLARE	0	90	509	514
Beam 161	Beam2	5: ARCARECCI - LAMELLARE	0	90	525	530
Beam 161	Beam2	5: ARCARECCI - LAMELLARE	0	90	541	546
Beam 162	Beam2	5: ARCARECCI - LAMELLARE	0	90	557	562
Beam 162	Beam2	5: ARCARECCI - LAMELLARE	0	90	573	578
Beam 162	Beam2	5: ARCARECCI - LAMELLARE	0	90	589	594
Beam 162	Beam2	5: ARCARECCI - LAMELLARE	0	90	605	610
Beam 162	Beam2	5: ARCARECCI - LAMELLARE	0	90	621	626
Beam 162	Beam2	5: ARCARECCI - LAMELLARE	0	90	637	642
Beam 162	Beam2	5: ARCARECCI - LAMELLARE	0	90	653	658

Beam 162	Beam2	5: ARCARECCI - LAMELLARE	0	90	669	674
Beam 162	Beam2	5: ARCARECCI - LAMELLARE	0	90	685	690
Beam 162	Beam2	5: ARCARECCI - LAMELLARE	0	90	701	706
Beam 163	Beam2	5: ARCARECCI - LAMELLARE	0	90	717	722
Beam 163	Beam2	5: ARCARECCI - LAMELLARE	0	90	1316	1317
Beam 163	Beam2	5: ARCARECCI - LAMELLARE	0	90	1332	1333
Beam 163	Beam2	5: ARCARECCI - LAMELLARE	0	90	1348	1349
Beam 163	Beam2	5: ARCARECCI - LAMELLARE	0	90	402	406
Beam 163	Beam2	5: ARCARECCI - LAMELLARE	0	90	418	422
Beam 163	Beam2	5: ARCARECCI - LAMELLARE	0	90	434	438
Beam 163	Beam2	5: ARCARECCI - LAMELLARE	0	90	450	454
Beam 163	Beam2	5: ARCARECCI - LAMELLARE	0	90	466	470
Beam 163	Beam2	5: ARCARECCI - LAMELLARE	0	90	482	486
Beam 164	Beam2	5: ARCARECCI - LAMELLARE	0	90	498	502
Beam 164	Beam2	5: ARCARECCI - LAMELLARE	0	90	514	518
Beam 164	Beam2	5: ARCARECCI - LAMELLARE	0	90	530	534
Beam 164	Beam2	5: ARCARECCI - LAMELLARE	0	90	546	550
Beam 164	Beam2	5: ARCARECCI - LAMELLARE	0	90	562	566
Beam 164	Beam2	5: ARCARECCI - LAMELLARE	0	90	578	582
Beam 164	Beam2	5: ARCARECCI - LAMELLARE	0	90	594	598
Beam 164	Beam2	5: ARCARECCI - LAMELLARE	0	90	610	614
Beam 164	Beam2	5: ARCARECCI - LAMELLARE	0	90	626	630
Beam 164	Beam2	5: ARCARECCI - LAMELLARE	0	90	642	646
Beam 165	Beam2	5: ARCARECCI - LAMELLARE	0	90	658	662
Beam 165	Beam2	5: ARCARECCI - LAMELLARE	0	90	674	678
Beam 165	Beam2	5: ARCARECCI - LAMELLARE	0	90	690	694
Beam 165	Beam2	5: ARCARECCI - LAMELLARE	0	90	706	710
Beam 165	Beam2	5: ARCARECCI - LAMELLARE	0	90	722	726
Beam 165	Beam2	5: ARCARECCI - LAMELLARE	0	90	1317	1323
Beam 165	Beam2	5: ARCARECCI - LAMELLARE	0	90	1333	1339
Beam 165	Beam2	5: ARCARECCI - LAMELLARE	0	90	1349	1355
Beam 165	Beam2	5: ARCARECCI - LAMELLARE	0	90	406	410
Beam 165	Beam2	5: ARCARECCI - LAMELLARE	0	90	422	426
Beam 166	Beam2	5: ARCARECCI - LAMELLARE	0	90	438	442
Beam 166	Beam2	5: ARCARECCI - LAMELLARE	0	90	454	458
Beam 166	Beam2	5: ARCARECCI - LAMELLARE	0	90	470	474
Beam 166	Beam2	5: ARCARECCI - LAMELLARE	0	90	486	490
Beam 166	Beam2	5: ARCARECCI - LAMELLARE	0	90	502	506
Beam 166	Beam2	5: ARCARECCI - LAMELLARE	0	90	518	522
Beam 166	Beam2	5: ARCARECCI - LAMELLARE	0	90	534	538
Beam 166	Beam2	5: ARCARECCI - LAMELLARE	0	90	550	554
Beam 166	Beam2	5: ARCARECCI - LAMELLARE	0	90	566	570
Beam 166	Beam2	5: ARCARECCI - LAMELLARE	0	90	582	586
Beam 167	Beam2	5: ARCARECCI - LAMELLARE	0	90	598	602
Beam 167	Beam2	5: ARCARECCI - LAMELLARE	0	90	614	618
Beam 167	Beam2	5: ARCARECCI - LAMELLARE	0	90	630	634
Beam 167	Beam2	5: ARCARECCI - LAMELLARE	0	90	646	650
Beam 167	Beam2	5: ARCARECCI - LAMELLARE	0	90	662	666
Beam 167	Beam2	5: ARCARECCI - LAMELLARE	0	90	678	682
Beam 167	Beam2	5: ARCARECCI - LAMELLARE	0	90	694	698

Beam 167	Beam2	5: ARCARECCI - LAMELLARE	0	90	710	714
Beam 167	Beam2	5: ARCARECCI - LAMELLARE	0	90	726	730
Beam 167	Beam2	5: ARCARECCI - LAMELLARE	0	90	1323	1327
Beam 168	Beam2	5: ARCARECCI - LAMELLARE	0	90	1339	1343
Beam 168	Beam2	5: ARCARECCI - LAMELLARE	0	90	1355	1359
Beam 168	Beam2	5: ARCARECCI - LAMELLARE	0	90	410	398
Beam 168	Beam2	5: ARCARECCI - LAMELLARE	0	90	426	414
Beam 168	Beam2	5: ARCARECCI - LAMELLARE	0	90	442	430
Beam 168	Beam2	5: ARCARECCI - LAMELLARE	0	90	458	446
Beam 168	Beam2	5: ARCARECCI - LAMELLARE	0	90	474	462
Beam 168	Beam2	5: ARCARECCI - LAMELLARE	0	90	490	478
Beam 168	Beam2	5: ARCARECCI - LAMELLARE	0	90	506	494
Beam 168	Beam2	5: ARCARECCI - LAMELLARE	0	90	522	510
Beam 169	Beam2	5: ARCARECCI - LAMELLARE	0	90	538	526
Beam 169	Beam2	5: ARCARECCI - LAMELLARE	0	90	554	542
Beam 169	Beam2	5: ARCARECCI - LAMELLARE	0	90	570	558
Beam 169	Beam2	5: ARCARECCI - LAMELLARE	0	90	586	574
Beam 169	Beam2	5: ARCARECCI - LAMELLARE	0	90	602	590
Beam 169	Beam2	5: ARCARECCI - LAMELLARE	0	90	618	606
Beam 169	Beam2	5: ARCARECCI - LAMELLARE	0	90	634	622
Beam 169	Beam2	5: ARCARECCI - LAMELLARE	0	90	650	638
Beam 169	Beam2	5: ARCARECCI - LAMELLARE	0	90	666	654
Beam 169	Beam2	5: ARCARECCI - LAMELLARE	0	90	682	670
Beam 170	Beam2	5: ARCARECCI - LAMELLARE	0	90	698	686
Beam 170	Beam2	5: ARCARECCI - LAMELLARE	0	90	714	702
Beam 170	Beam2	5: ARCARECCI - LAMELLARE	0	90	730	718
Beam 170	Beam2	5: ARCARECCI - LAMELLARE	0	90	1327	1318
Beam 170	Beam2	5: ARCARECCI - LAMELLARE	0	90	1343	1334
Beam 170	Beam2	5: ARCARECCI - LAMELLARE	0	90	1359	1350
Beam 170	Beam2	5: ARCARECCI - LAMELLARE	0	90	398	403
Beam 170	Beam2	5: ARCARECCI - LAMELLARE	0	90	414	419
Beam 170	Beam2	5: ARCARECCI - LAMELLARE	0	90	430	435
Beam 170	Beam2	5: ARCARECCI - LAMELLARE	0	90	446	451
Beam 171	Beam2	5: ARCARECCI - LAMELLARE	0	90	462	467
Beam 171	Beam2	5: ARCARECCI - LAMELLARE	0	90	478	483
Beam 171	Beam2	5: ARCARECCI - LAMELLARE	0	90	494	499
Beam 171	Beam2	5: ARCARECCI - LAMELLARE	0	90	510	515
Beam 171	Beam2	5: ARCARECCI - LAMELLARE	0	90	526	531
Beam 171	Beam2	5: ARCARECCI - LAMELLARE	0	90	542	547
Beam 171	Beam2	5: ARCARECCI - LAMELLARE	0	90	558	563
Beam 171	Beam2	5: ARCARECCI - LAMELLARE	0	90	574	579
Beam 171	Beam2	5: ARCARECCI - LAMELLARE	0	90	590	595
Beam 171	Beam2	5: ARCARECCI - LAMELLARE	0	90	606	611
Beam 172	Beam2	5: ARCARECCI - LAMELLARE	0	90	622	627
Beam 172	Beam2	5: ARCARECCI - LAMELLARE	0	90	638	643
Beam 172	Beam2	5: ARCARECCI - LAMELLARE	0	90	654	659
Beam 172	Beam2	5: ARCARECCI - LAMELLARE	0	90	670	675
Beam 172	Beam2	5: ARCARECCI - LAMELLARE	0	90	686	691
Beam 172	Beam2	5: ARCARECCI - LAMELLARE	0	90	702	707
Beam 172	Beam2	5: ARCARECCI - LAMELLARE	0	90	718	723

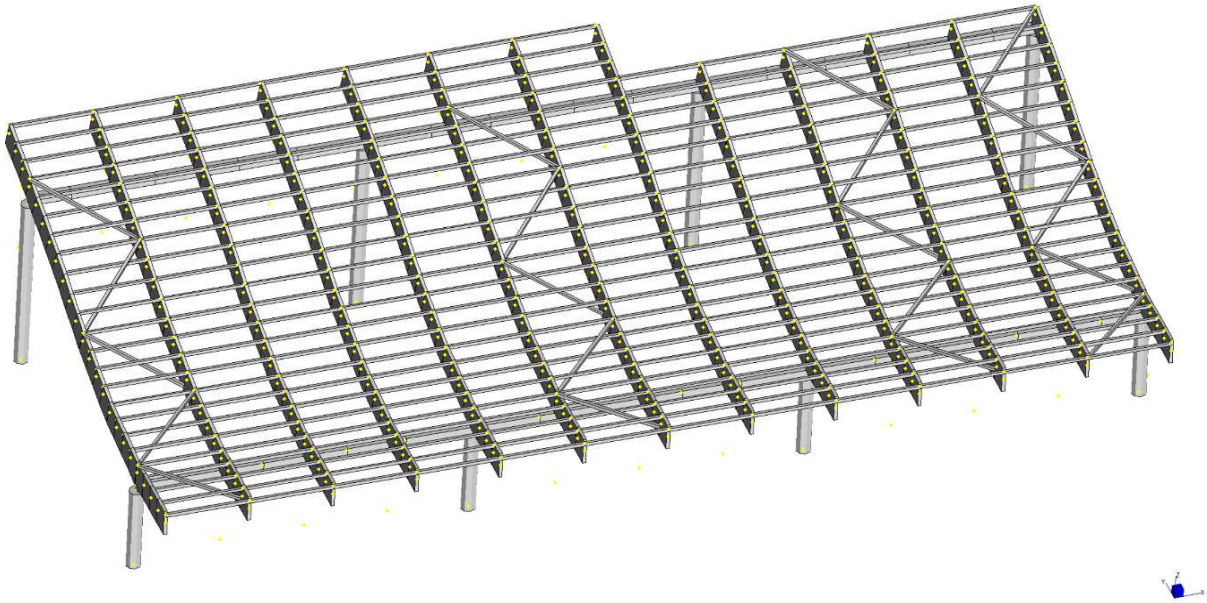
Beam 172	Beam2	5: ARCARECCI - LAMELLARE	0	90	1318	1319
Beam 172	Beam2	5: ARCARECCI - LAMELLARE	0	90	1334	1335
Beam 172	Beam2	5: ARCARECCI - LAMELLARE	0	90	1350	1351
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	403	407
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	419	423
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	435	439
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	451	455
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	467	471
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	483	487
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	499	503
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	515	519
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	531	535
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	547	551
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	563	567
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	579	583
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	595	599
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	611	615
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	627	631
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	643	647
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	659	663
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	675	679
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	691	695
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	707	711
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	723	727
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1319	1324
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1335	1340
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1351	1356
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	407	411
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	423	427
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	439	443
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	455	459
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	471	475
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	487	491
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	503	507
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	519	523
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	535	539
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	551	555
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	567	571
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	583	587
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	599	603
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	615	619
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	631	635
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	647	651
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	663	667
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	679	683
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	695	699
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	711	715
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	727	731
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1324	1328
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1340	1344

Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1356	1360
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	411	399
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	427	415
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	443	431
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	459	447
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	475	463
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	491	479
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	507	495
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	523	511
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	539	527
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	555	543
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	571	559
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	587	575
Beam 179	Beam2	5: ARCARECCI - LAMELLARE	0	90	603	591
Beam 179	Beam2	5: ARCARECCI - LAMELLARE	0	90	619	607
Beam 179	Beam2	5: ARCARECCI - LAMELLARE	0	90	635	623
Beam 179	Beam2	5: ARCARECCI - LAMELLARE	0	90	651	639
Beam 179	Beam2	5: ARCARECCI - LAMELLARE	0	90	667	655
Beam 179	Beam2	5: ARCARECCI - LAMELLARE	0	90	683	671
Beam 179	Beam2	5: ARCARECCI - LAMELLARE	0	90	699	687
Beam 179	Beam2	5: ARCARECCI - LAMELLARE	0	90	715	703
Beam 179	Beam2	5: ARCARECCI - LAMELLARE	0	90	731	719
Beam 179	Beam2	5: ARCARECCI - LAMELLARE	0	90	1328	1320
Beam 180	Beam2	5: ARCARECCI - LAMELLARE	0	90	1344	1336
Beam 180	Beam2	5: ARCARECCI - LAMELLARE	0	90	1360	1352
Beam 180	Beam2	5: ARCARECCI - LAMELLARE	0	90	399	404
Beam 180	Beam2	5: ARCARECCI - LAMELLARE	0	90	415	420
Beam 180	Beam2	5: ARCARECCI - LAMELLARE	0	90	431	436
Beam 180	Beam2	5: ARCARECCI - LAMELLARE	0	90	447	452
Beam 180	Beam2	5: ARCARECCI - LAMELLARE	0	90	463	468
Beam 180	Beam2	5: ARCARECCI - LAMELLARE	0	90	479	484
Beam 180	Beam2	5: ARCARECCI - LAMELLARE	0	90	495	500
Beam 180	Beam2	5: ARCARECCI - LAMELLARE	0	90	511	516
Beam 181	Beam2	5: ARCARECCI - LAMELLARE	0	90	527	532
Beam 181	Beam2	5: ARCARECCI - LAMELLARE	0	90	543	548
Beam 181	Beam2	5: ARCARECCI - LAMELLARE	0	90	559	564
Beam 181	Beam2	5: ARCARECCI - LAMELLARE	0	90	575	580
Beam 181	Beam2	5: ARCARECCI - LAMELLARE	0	90	591	596
Beam 181	Beam2	5: ARCARECCI - LAMELLARE	0	90	607	612
Beam 181	Beam2	5: ARCARECCI - LAMELLARE	0	90	623	628
Beam 181	Beam2	5: ARCARECCI - LAMELLARE	0	90	639	644
Beam 181	Beam2	5: ARCARECCI - LAMELLARE	0	90	655	660
Beam 181	Beam2	5: ARCARECCI - LAMELLARE	0	90	671	676
Beam 182	Beam2	5: ARCARECCI - LAMELLARE	0	90	687	692
Beam 182	Beam2	5: ARCARECCI - LAMELLARE	0	90	703	708
Beam 182	Beam2	5: ARCARECCI - LAMELLARE	0	90	719	724
Beam 182	Beam2	5: ARCARECCI - LAMELLARE	0	90	1320	1321
Beam 182	Beam2	5: ARCARECCI - LAMELLARE	0	90	1336	1337
Beam 182	Beam2	5: ARCARECCI - LAMELLARE	0	90	1352	1353
Beam 182	Beam2	5: ARCARECCI - LAMELLARE	0	90	404	408

Beam 182	Beam2	5: ARCARECCI - LAMELLARE	0	90	420	424
Beam 182	Beam2	5: ARCARECCI - LAMELLARE	0	90	436	440
Beam 182	Beam2	5: ARCARECCI - LAMELLARE	0	90	452	456
Beam 183	Beam2	5: ARCARECCI - LAMELLARE	0	90	468	472
Beam 183	Beam2	5: ARCARECCI - LAMELLARE	0	90	484	488
Beam 183	Beam2	5: ARCARECCI - LAMELLARE	0	90	500	504
Beam 183	Beam2	5: ARCARECCI - LAMELLARE	0	90	516	520
Beam 183	Beam2	5: ARCARECCI - LAMELLARE	0	90	532	536
Beam 183	Beam2	5: ARCARECCI - LAMELLARE	0	90	548	552
Beam 183	Beam2	5: ARCARECCI - LAMELLARE	0	90	564	568
Beam 183	Beam2	5: ARCARECCI - LAMELLARE	0	90	580	584
Beam 183	Beam2	5: ARCARECCI - LAMELLARE	0	90	596	600
Beam 183	Beam2	5: ARCARECCI - LAMELLARE	0	90	612	616
Beam 184	Beam2	5: ARCARECCI - LAMELLARE	0	90	628	632
Beam 184	Beam2	5: ARCARECCI - LAMELLARE	0	90	644	648
Beam 184	Beam2	5: ARCARECCI - LAMELLARE	0	90	660	664
Beam 184	Beam2	5: ARCARECCI - LAMELLARE	0	90	676	680
Beam 184	Beam2	5: ARCARECCI - LAMELLARE	0	90	692	696
Beam 184	Beam2	5: ARCARECCI - LAMELLARE	0	90	708	712
Beam 184	Beam2	5: ARCARECCI - LAMELLARE	0	90	724	728
Beam 184	Beam2	5: ARCARECCI - LAMELLARE	0	90	1321	1325
Beam 184	Beam2	5: ARCARECCI - LAMELLARE	0	90	1337	1341
Beam 184	Beam2	5: ARCARECCI - LAMELLARE	0	90	1353	1357
Beam 185	Beam2	5: ARCARECCI - LAMELLARE	0	90	408	412
Beam 185	Beam2	5: ARCARECCI - LAMELLARE	0	90	424	428
Beam 185	Beam2	5: ARCARECCI - LAMELLARE	0	90	440	444
Beam 185	Beam2	5: ARCARECCI - LAMELLARE	0	90	456	460
Beam 185	Beam2	5: ARCARECCI - LAMELLARE	0	90	472	476
Beam 185	Beam2	5: ARCARECCI - LAMELLARE	0	90	488	492
Beam 185	Beam2	5: ARCARECCI - LAMELLARE	0	90	504	508
Beam 185	Beam2	5: ARCARECCI - LAMELLARE	0	90	520	524
Beam 185	Beam2	5: ARCARECCI - LAMELLARE	0	90	536	540
Beam 185	Beam2	5: ARCARECCI - LAMELLARE	0	90	552	556
Beam 186	Beam2	5: ARCARECCI - LAMELLARE	0	90	568	572
Beam 186	Beam2	5: ARCARECCI - LAMELLARE	0	90	584	588
Beam 186	Beam2	5: ARCARECCI - LAMELLARE	0	90	600	604
Beam 186	Beam2	5: ARCARECCI - LAMELLARE	0	90	616	620
Beam 186	Beam2	5: ARCARECCI - LAMELLARE	0	90	632	636
Beam 186	Beam2	5: ARCARECCI - LAMELLARE	0	90	648	652
Beam 186	Beam2	5: ARCARECCI - LAMELLARE	0	90	664	668
Beam 186	Beam2	5: ARCARECCI - LAMELLARE	0	90	680	684
Beam 186	Beam2	5: ARCARECCI - LAMELLARE	0	90	696	700
Beam 186	Beam2	5: ARCARECCI - LAMELLARE	0	90	712	716
Beam 187	Beam2	5: ARCARECCI - LAMELLARE	0	90	728	732
Beam 187	Beam2	5: ARCARECCI - LAMELLARE	0	90	1325	1329
Beam 187	Beam2	5: ARCARECCI - LAMELLARE	0	90	1341	1345
Beam 187	Beam2	5: ARCARECCI - LAMELLARE	0	90	1357	1361
Beam 187	Beam2	5: ARCARECCI - LAMELLARE	0	90	412	400
Beam 187	Beam2	5: ARCARECCI - LAMELLARE	0	90	428	416
Beam 187	Beam2	5: ARCARECCI - LAMELLARE	0	90	444	432

Beam 1877	Beam2	5: ARCARECCI - LAMELLARE	0	90	460	448
Beam 1878	Beam2	5: ARCARECCI - LAMELLARE	0	90	476	464
Beam 1879	Beam2	5: ARCARECCI - LAMELLARE	0	90	492	480
Beam 1880	Beam2	5: ARCARECCI - LAMELLARE	0	90	508	496
Beam 1881	Beam2	5: ARCARECCI - LAMELLARE	0	90	524	512
Beam 1882	Beam2	5: ARCARECCI - LAMELLARE	0	90	540	528
Beam 1883	Beam2	5: ARCARECCI - LAMELLARE	0	90	556	544
Beam 1884	Beam2	5: ARCARECCI - LAMELLARE	0	90	572	560
Beam 1885	Beam2	5: ARCARECCI - LAMELLARE	0	90	588	576
Beam 1886	Beam2	5: ARCARECCI - LAMELLARE	0	90	604	592
Beam 1887	Beam2	5: ARCARECCI - LAMELLARE	0	90	620	608
Beam 1888	Beam2	5: ARCARECCI - LAMELLARE	0	90	636	624
Beam 1889	Beam2	5: ARCARECCI - LAMELLARE	0	90	652	640
Beam 1890	Beam2	5: ARCARECCI - LAMELLARE	0	90	668	656
Beam 1891	Beam2	5: ARCARECCI - LAMELLARE	0	90	684	672
Beam 1892	Beam2	5: ARCARECCI - LAMELLARE	0	90	700	688
Beam 1893	Beam2	5: ARCARECCI - LAMELLARE	0	90	716	704
Beam 1894	Beam2	5: ARCARECCI - LAMELLARE	0	90	732	720
Beam 1895	Beam2	5: ARCARECCI - LAMELLARE	0	90	1329	1330
Beam 1896	Beam2	5: ARCARECCI - LAMELLARE	0	90	1345	1346
Beam 1897	Beam2	5: ARCARECCI - LAMELLARE	0	90	1361	1362
Beam 1898	Beam2	8: CONTROVENTI	0	0	453	713
Beam 1899	Beam2	8: CONTROVENTI	0	0	425	453
Beam 1900	Beam2	8: CONTROVENTI	0	0	437	425
Beam 1901	Beam2	8: CONTROVENTI	0	0	729	437
Beam 1902	Beam2	8: CONTROVENTI	0	0	405	729
Beam 1903	Beam2	8: CONTROVENTI	0	0	454	714
Beam 1904	Beam2	8: CONTROVENTI	0	0	426	454
Beam 1905	Beam2	8: CONTROVENTI	0	0	438	426
Beam 1906	Beam2	8: CONTROVENTI	0	0	730	438
Beam 1907	Beam2	8: CONTROVENTI	0	0	406	730
Beam 1908	Beam2	8: CONTROVENTI	0	0	723	407
Beam 1909	Beam2	8: CONTROVENTI	0	0	439	723
Beam 1910	Beam2	8: CONTROVENTI	0	0	419	439
Beam 1911	Beam2	8: CONTROVENTI	0	0	455	419
Beam 1912	Beam2	8: CONTROVENTI	0	0	707	455
Beam 1913	Beam2	8: CONTROVENTI	0	0	724	408
Beam 1914	Beam2	8: CONTROVENTI	0	0	440	724
Beam 1915	Beam2	8: CONTROVENTI	0	0.000001	420	440
Beam 1916	Beam2	8: CONTROVENTI	0	0	456	420
Beam 1917	Beam2	8: CONTROVENTI	0	0	708	456

CORPO AS3



Indice dei nodi di definizione

	X (m)	Y (m)	Z (m)
Node 1	202.60	0.00	-0.50
Node 2	182.60	0.00	-0.50
Node 3	202.60	20.00	-0.50
Node 4	182.60	20.00	-0.50
Node 5	197.60	1.25	6.32
Node 6	197.60	0.00	6.15
Node 7	192.60	1.25	6.32
Node 8	192.60	0.00	6.15
Node 9	187.60	1.25	6.32
Node 10	187.60	0.00	6.15
Node 11	202.60	1.25	6.32
Node 12	202.60	0.00	6.15
Node 13	182.60	1.25	6.32
Node 14	182.60	0.00	6.15
Node 15	197.60	-1.25	6.17
Node 16	192.60	-1.25	6.17
Node 17	187.60	-1.25	6.17
Node 18	202.60	-1.25	6.17
Node 19	182.60	-1.25	6.17
Node 20	197.60	11.25	8.86
Node 21	197.60	10.00	8.34
Node 22	192.60	11.25	8.86
Node 23	192.60	10.00	8.34
Node 24	187.60	11.25	8.86
Node 25	187.60	10.00	8.34
Node 26	202.60	11.25	8.86
Node 27	202.60	10.00	8.34
Node 28	182.60	11.25	8.86
Node 29	182.60	10.00	8.34
Node 30	197.60	6.25	7.22
Node 31	197.60	5.00	6.84
Node 32	192.60	6.25	7.22
Node 33	192.60	5.00	6.84
Node 34	187.60	6.25	7.22
Node 35	187.60	5.00	6.84
Node 36	202.60	6.25	7.22
Node 37	202.60	5.00	6.84
Node 38	182.60	6.25	7.22
Node 39	182.60	5.00	6.84
Node 40	197.60	16.25	10.86
Node 41	197.60	15.00	10.43
Node 42	192.60	16.25	10.86
Node 43	192.60	15.00	10.43
Node 44	187.60	16.25	10.86

	X (m)	Y (m)	Z (m)
Node 514	152.60	7.50	7.59
Node 515	167.60	8.75	7.96
Node 516	147.60	8.75	7.96
Node 517	167.60	7.50	7.59
Node 518	147.60	7.50	7.59
Node 519	162.60	8.75	7.96
Node 520	142.60	8.75	7.96
Node 521	162.60	7.50	7.59
Node 522	142.60	7.50	7.59
Node 523	177.60	20.00	12.15
Node 524	177.60	18.75	11.72
Node 525	157.60	20.00	12.15
Node 526	157.60	18.75	11.72
Node 527	177.60	17.50	11.29
Node 528	157.60	17.50	11.29
Node 529	172.60	20.00	12.15
Node 530	172.60	18.75	11.72
Node 531	152.60	20.00	12.15
Node 532	152.60	18.75	11.72
Node 533	172.60	17.50	11.29
Node 534	152.60	17.50	11.29
Node 535	167.60	20.00	12.15
Node 536	167.60	18.75	11.72
Node 537	147.60	20.00	12.15
Node 538	147.60	18.75	11.72
Node 539	167.60	17.50	11.29
Node 540	147.60	17.50	11.29
Node 541	162.60	20.00	12.15
Node 542	162.60	18.75	11.72
Node 543	142.60	20.00	12.15
Node 544	142.60	18.75	11.72
Node 545	162.60	17.50	11.29
Node 546	142.60	17.50	11.29
Node 547	177.60	-5.00	6.80
Node 548	162.60	-5.00	6.80
Node 549	157.60	-5.00	6.80
Node 550	172.60	-5.00	6.80
Node 551	152.60	-5.00	6.80
Node 552	167.60	-5.00	6.80
Node 553	147.60	-5.00	6.80
Node 554	142.60	-5.00	6.80
Node 555	177.60	10.00	8.88
Node 556	162.60	10.00	8.88
Node 557	157.60	10.00	8.88

Node 45	187.60	15.00	10.43
Node 46	202.60	16.25	10.86
Node 47	202.60	15.00	10.43
Node 48	182.60	16.25	10.86
Node 49	182.60	15.00	10.43
Node 50	197.60	3.75	6.67
Node 51	197.60	2.50	6.50
Node 52	192.60	3.75	6.67
Node 53	192.60	2.50	6.50
Node 54	187.60	3.75	6.67
Node 55	187.60	2.50	6.50
Node 56	202.60	3.75	6.67
Node 57	182.60	3.75	6.67
Node 58	202.60	2.50	6.50
Node 59	182.60	2.50	6.50
Node 60	197.60	-5.00	6.25
Node 61	197.60	-3.75	6.22
Node 62	197.60	-2.50	6.20
Node 63	192.60	-5.00	6.25
Node 64	192.60	-3.75	6.22
Node 65	192.60	-2.50	6.20
Node 66	187.60	-5.00	6.25
Node 67	187.60	-3.75	6.22
Node 68	187.60	-2.50	6.20
Node 69	202.60	-5.00	6.25
Node 70	202.60	-3.75	6.22
Node 71	182.60	-5.00	6.25
Node 72	182.60	-3.75	6.22
Node 73	202.60	-2.50	6.20
Node 74	182.60	-2.50	6.20
Node 75	197.60	13.75	9.90
Node 76	197.60	12.50	9.38
Node 77	192.60	13.75	9.90
Node 78	192.60	12.50	9.38
Node 79	187.60	13.75	9.90
Node 80	187.60	12.50	9.38
Node 81	202.60	13.75	9.90
Node 82	182.60	13.75	9.90
Node 83	202.60	12.50	9.38
Node 84	182.60	12.50	9.38
Node 85	197.60	8.75	7.96
Node 86	197.60	7.50	7.59
Node 87	192.60	8.75	7.96
Node 88	192.60	7.50	7.59
Node 89	187.60	8.75	7.96
Node 90	187.60	7.50	7.59
Node 91	202.60	8.75	7.96
Node 92	182.60	8.75	7.96
Node 93	202.60	7.50	7.59
Node 94	182.60	7.50	7.59

Node 558	172.60	10.00	8.88
Node 559	152.60	10.00	8.88
Node 560	167.60	10.00	8.88
Node 561	147.60	10.00	8.88
Node 562	142.60	10.00	8.88
Node 563	177.60	5.00	7.39
Node 564	162.60	5.00	7.39
Node 565	157.60	5.00	7.39
Node 566	172.60	5.00	7.39
Node 567	152.60	5.00	7.39
Node 568	167.60	5.00	7.39
Node 569	147.60	5.00	7.39
Node 570	142.60	5.00	7.39
Node 571	177.60	15.00	10.98
Node 572	162.60	15.00	10.98
Node 573	157.60	15.00	10.98
Node 574	172.60	15.00	10.98
Node 575	152.60	15.00	10.98
Node 576	167.60	15.00	10.98
Node 577	147.60	15.00	10.98
Node 578	142.60	15.00	10.98
Node 579	177.60	3.75	7.22
Node 580	162.60	3.75	7.22
Node 581	157.60	3.75	7.22
Node 582	172.60	3.75	7.22
Node 583	152.60	3.75	7.22
Node 584	167.60	3.75	7.22
Node 585	147.60	3.75	7.22
Node 586	142.60	3.75	7.22
Node 587	177.60	2.50	7.05
Node 588	162.60	2.50	7.05
Node 589	157.60	2.50	7.05
Node 590	172.60	2.50	7.05
Node 591	152.60	2.50	7.05
Node 592	167.60	2.50	7.05
Node 593	147.60	2.50	7.05
Node 594	142.60	2.50	7.05
Node 595	177.60	1.25	6.87
Node 596	162.60	1.25	6.87
Node 597	157.60	1.25	6.87
Node 598	172.60	1.25	6.87
Node 599	152.60	1.25	6.87
Node 600	167.60	1.25	6.87
Node 601	147.60	1.25	6.87
Node 602	142.60	1.25	6.87
Node 603	177.60	-3.75	6.78
Node 604	162.60	-3.75	6.78
Node 605	157.60	-3.75	6.78
Node 606	172.60	-3.75	6.78
Node 607	152.60	-3.75	6.78

Node 95	197.60	20.00	12.15
Node 96	197.60	18.75	11.72
Node 97	197.60	17.50	11.29
Node 98	192.60	20.00	12.15
Node 99	192.60	18.75	11.72
Node 100	192.60	17.50	11.29
Node 101	187.60	20.00	12.15
Node 102	187.60	18.75	11.72
Node 103	187.60	17.50	11.29
Node 104	202.60	20.00	12.15
Node 105	202.60	18.75	11.72
Node 106	182.60	20.00	12.15
Node 107	182.60	18.75	11.72
Node 108	202.60	17.50	11.29
Node 109	182.60	17.50	11.29
Node 110	202.60	-5.00	6.80
Node 111	197.60	-5.00	6.80
Node 112	192.60	-5.00	6.80
Node 113	187.60	-5.00	6.80
Node 114	182.60	-5.00	6.80
Node 115	202.60	10.00	8.88
Node 116	197.60	10.00	8.88
Node 117	192.60	10.00	8.88
Node 118	187.60	10.00	8.88
Node 119	182.60	10.00	8.88
Node 120	202.60	5.00	7.39
Node 121	197.60	5.00	7.39
Node 122	192.60	5.00	7.39
Node 123	187.60	5.00	7.39
Node 124	182.60	5.00	7.39
Node 125	202.60	15.00	10.98
Node 126	197.60	15.00	10.98
Node 127	192.60	15.00	10.98
Node 128	187.60	15.00	10.98
Node 129	182.60	15.00	10.98
Node 130	202.60	3.75	7.22
Node 131	197.60	3.75	7.22
Node 132	192.60	3.75	7.22
Node 133	187.60	3.75	7.22
Node 134	182.60	3.75	7.22
Node 135	202.60	2.50	7.05
Node 136	197.60	2.50	7.05
Node 137	192.60	2.50	7.05
Node 138	187.60	2.50	7.05
Node 139	182.60	2.50	7.05
Node 140	202.60	1.25	6.87
Node 141	197.60	1.25	6.87
Node 142	192.60	1.25	6.87
Node 143	187.60	1.25	6.87
Node 144	182.60	1.25	6.87

Node 608	167.60	-3.75	6.78
Node 609	147.60	-3.75	6.78
Node 610	142.60	-3.75	6.78
Node 611	177.60	-2.50	6.75
Node 612	162.60	-2.50	6.75
Node 613	157.60	-2.50	6.75
Node 614	172.60	-2.50	6.75
Node 615	152.60	-2.50	6.75
Node 616	167.60	-2.50	6.75
Node 617	147.60	-2.50	6.75
Node 618	142.60	-2.50	6.75
Node 619	177.60	-1.25	6.72
Node 620	162.60	-1.25	6.72
Node 621	157.60	-1.25	6.72
Node 622	172.60	-1.25	6.72
Node 623	152.60	-1.25	6.72
Node 624	167.60	-1.25	6.72
Node 625	147.60	-1.25	6.72
Node 626	142.60	-1.25	6.72
Node 627	177.60	13.75	10.45
Node 628	162.60	13.75	10.45
Node 629	157.60	13.75	10.45
Node 630	172.60	13.75	10.45
Node 631	152.60	13.75	10.45
Node 632	167.60	13.75	10.45
Node 633	147.60	13.75	10.45
Node 634	142.60	13.75	10.45
Node 635	177.60	12.50	9.93
Node 636	162.60	12.50	9.93
Node 637	157.60	12.50	9.93
Node 638	172.60	12.50	9.93
Node 639	152.60	12.50	9.93
Node 640	167.60	12.50	9.93
Node 641	147.60	12.50	9.93
Node 642	142.60	12.50	9.93
Node 643	177.60	11.25	9.41
Node 644	162.60	11.25	9.41
Node 645	157.60	11.25	9.41
Node 646	172.60	11.25	9.41
Node 647	152.60	11.25	9.41
Node 648	167.60	11.25	9.41
Node 649	147.60	11.25	9.41
Node 650	142.60	11.25	9.41
Node 651	177.60	8.75	8.51
Node 652	162.60	8.75	8.51
Node 653	157.60	8.75	8.51
Node 654	172.60	8.75	8.51
Node 655	152.60	8.75	8.51
Node 656	167.60	8.75	8.51
Node 657	147.60	8.75	8.51

Node 145	202.60	-3.75	6.78
Node 146	197.60	-3.75	6.78
Node 147	192.60	-3.75	6.78
Node 148	187.60	-3.75	6.78
Node 149	182.60	-3.75	6.78
Node 150	202.60	-2.50	6.75
Node 151	197.60	-2.50	6.75
Node 152	192.60	-2.50	6.75
Node 153	187.60	-2.50	6.75
Node 154	182.60	-2.50	6.75
Node 155	202.60	-1.25	6.72
Node 156	197.60	-1.25	6.72
Node 157	192.60	-1.25	6.72
Node 158	187.60	-1.25	6.72
Node 159	182.60	-1.25	6.72
Node 160	202.60	13.75	10.45
Node 161	197.60	13.75	10.45
Node 162	192.60	13.75	10.45
Node 163	187.60	13.75	10.45
Node 164	182.60	13.75	10.45
Node 165	202.60	12.50	9.93
Node 166	197.60	12.50	9.93
Node 167	192.60	12.50	9.93
Node 168	187.60	12.50	9.93
Node 169	182.60	12.50	9.93
Node 170	202.60	11.25	9.41
Node 171	197.60	11.25	9.41
Node 172	192.60	11.25	9.41
Node 173	187.60	11.25	9.41
Node 174	182.60	11.25	9.41
Node 175	202.60	8.75	8.51
Node 176	197.60	8.75	8.51
Node 177	192.60	8.75	8.51
Node 178	187.60	8.75	8.51
Node 179	182.60	8.75	8.51
Node 180	202.60	7.50	8.14
Node 181	197.60	7.50	8.14
Node 182	192.60	7.50	8.14
Node 183	187.60	7.50	8.14
Node 184	182.60	7.50	8.14
Node 185	202.60	6.25	7.77
Node 186	197.60	6.25	7.77
Node 187	192.60	6.25	7.77
Node 188	187.60	6.25	7.77
Node 189	182.60	6.25	7.77
Node 190	202.60	18.75	12.27
Node 191	197.60	18.75	12.27
Node 192	192.60	18.75	12.27
Node 193	187.60	18.75	12.27
Node 194	182.60	18.75	12.27

Node 658	142.60	8.75	8.51
Node 659	177.60	7.50	8.14
Node 660	162.60	7.50	8.14
Node 661	157.60	7.50	8.14
Node 662	172.60	7.50	8.14
Node 663	152.60	7.50	8.14
Node 664	167.60	7.50	8.14
Node 665	147.60	7.50	8.14
Node 666	142.60	7.50	8.14
Node 667	177.60	6.25	7.77
Node 668	162.60	6.25	7.77
Node 669	157.60	6.25	7.77
Node 670	172.60	6.25	7.77
Node 671	152.60	6.25	7.77
Node 672	167.60	6.25	7.77
Node 673	147.60	6.25	7.77
Node 674	142.60	6.25	7.77
Node 675	177.60	18.75	12.27
Node 676	162.60	18.75	12.27
Node 677	157.60	18.75	12.27
Node 678	172.60	18.75	12.27
Node 679	152.60	18.75	12.27
Node 680	167.60	18.75	12.27
Node 681	147.60	18.75	12.27
Node 682	142.60	18.75	12.27
Node 683	177.60	17.50	11.84
Node 684	162.60	17.50	11.84
Node 685	157.60	17.50	11.84
Node 686	172.60	17.50	11.84
Node 687	152.60	17.50	11.84
Node 688	167.60	17.50	11.84
Node 689	147.60	17.50	11.84
Node 690	142.60	17.50	11.84
Node 691	177.60	16.25	11.41
Node 692	162.60	16.25	11.41
Node 693	157.60	16.25	11.41
Node 694	172.60	16.25	11.41
Node 695	152.60	16.25	11.41
Node 696	167.60	16.25	11.41
Node 697	147.60	16.25	11.41
Node 698	142.60	16.25	11.41
Node 699	177.60	20.00	12.70
Node 700	162.60	20.00	12.70
Node 701	157.60	20.00	12.70
Node 702	172.60	20.00	12.70
Node 703	152.60	20.00	12.70
Node 704	167.60	20.00	12.70
Node 705	147.60	20.00	12.70
Node 706	142.60	20.00	12.70
Node 707	177.60	0.00	6.70

Node 195	202.60	17.50	11.84
Node 196	197.60	17.50	11.84
Node 197	192.60	17.50	11.84
Node 198	187.60	17.50	11.84
Node 199	182.60	17.50	11.84
Node 200	202.60	16.25	11.41
Node 201	197.60	16.25	11.41
Node 202	192.60	16.25	11.41
Node 203	187.60	16.25	11.41
Node 204	182.60	16.25	11.41
Node 205	202.60	20.00	12.70
Node 206	197.60	20.00	12.70
Node 207	192.60	20.00	12.70
Node 208	187.60	20.00	12.70
Node 209	182.60	20.00	12.70
Node 210	202.60	0.00	6.70
Node 211	197.60	0.00	6.70
Node 212	192.60	0.00	6.70
Node 213	187.60	0.00	6.70
Node 214	182.60	0.00	6.70
Node 215	200.10	20.00	11.20
Node 216	197.60	20.00	11.20
Node 217	200.10	0.00	5.20
Node 218	197.60	0.00	5.20
Node 219	202.60	20.00	11.20
Node 220	202.60	20.00	10.90
Node 221	182.60	20.00	11.20
Node 222	182.60	20.00	10.90
Node 223	202.60	0.00	5.20
Node 224	202.60	0.00	4.90
Node 225	182.60	0.00	5.20
Node 226	182.60	0.00	4.90
Node 227	202.60	20.00	11.50
Node 228	182.60	20.00	11.50
Node 229	202.60	0.00	5.50
Node 230	182.60	0.00	5.50
Node 231	197.60	20.00	11.50
Node 232	192.60	20.00	11.50
Node 233	187.60	20.00	11.50
Node 234	197.60	0.00	5.50
Node 235	192.60	0.00	5.50
Node 236	187.60	0.00	5.50
Node 237	187.60	20.00	11.20
Node 238	192.60	20.00	11.20
Node 239	187.60	0.00	5.20
Node 240	192.60	0.00	5.20
Node 241	186.60	20.00	11.20
Node 242	190.10	20.00	11.20
Node 243	195.10	20.00	11.20
Node 244	186.60	0.00	5.20

Node 708	162.60	0.00	6.70
Node 709	157.60	0.00	6.70
Node 710	172.60	0.00	6.70
Node 711	152.60	0.00	6.70
Node 712	167.60	0.00	6.70
Node 713	147.60	0.00	6.70
Node 714	142.60	0.00	6.70
Node 715	178.60	20.00	11.20
Node 716	177.60	20.00	11.20
Node 717	158.60	20.00	11.20
Node 718	157.60	20.00	11.20
Node 719	178.60	0.00	5.20
Node 720	177.60	0.00	5.20
Node 721	158.60	0.00	5.20
Node 722	157.60	0.00	5.20
Node 723	162.60	20.00	11.20
Node 724	162.60	20.00	10.90
Node 725	142.60	20.00	11.20
Node 726	142.60	20.00	10.90
Node 727	162.60	0.00	5.20
Node 728	162.60	0.00	4.90
Node 729	142.60	0.00	5.20
Node 730	142.60	0.00	4.90
Node 731	162.60	20.00	11.50
Node 732	142.60	20.00	11.50
Node 733	162.60	0.00	5.50
Node 734	142.60	0.00	5.50
Node 735	177.60	20.00	11.50
Node 736	157.60	20.00	11.50
Node 737	172.60	20.00	11.50
Node 738	152.60	20.00	11.50
Node 739	167.60	20.00	11.50
Node 740	147.60	20.00	11.50
Node 741	177.60	0.00	5.50
Node 742	157.60	0.00	5.50
Node 743	172.60	0.00	5.50
Node 744	152.60	0.00	5.50
Node 745	167.60	0.00	5.50
Node 746	147.60	0.00	5.50
Node 747	167.60	20.00	11.20
Node 748	147.60	20.00	11.20
Node 749	172.60	20.00	11.20
Node 750	152.60	20.00	11.20
Node 751	167.60	0.00	5.20
Node 752	147.60	0.00	5.20
Node 753	172.60	0.00	5.20
Node 754	152.60	0.00	5.20
Node 755	166.60	20.00	11.20
Node 756	145.10	20.00	11.20
Node 757	170.10	20.00	11.20

Node 245	190.10	0.00	5.20
Node 246	195.10	0.00	5.20
Node 267	202.60	15.00	9.88
Node 268	202.60	10.00	7.79
Node 269	202.60	5.00	6.29
Node 270	202.60	20.00	12.71
Node 271	197.60	20.00	12.71
Node 272	202.60	1.25	6.88
Node 273	202.60	0.00	6.71
Node 274	197.60	0.00	6.71
Node 275	197.60	1.25	6.88
Node 276	202.60	-1.25	6.74
Node 277	197.60	-1.25	6.74
Node 278	202.60	11.25	9.42
Node 279	202.60	10.00	8.89
Node 280	197.60	10.00	8.89
Node 281	197.60	11.25	9.42
Node 282	202.60	6.25	7.78
Node 283	202.60	5.00	7.40
Node 284	197.60	5.00	7.40
Node 285	197.60	6.25	7.78
Node 286	202.60	16.25	11.42
Node 287	202.60	15.00	10.99
Node 288	197.60	15.00	10.99
Node 289	197.60	16.25	11.42
Node 290	192.60	20.00	12.71
Node 291	187.60	20.00	12.71
Node 292	182.60	20.00	12.71
Node 293	192.60	0.00	6.71
Node 294	192.60	1.25	6.88
Node 295	187.60	0.00	6.71
Node 296	187.60	1.25	6.88
Node 297	182.60	0.00	6.71
Node 298	182.60	1.25	6.88
Node 299	192.60	-1.25	6.74
Node 300	187.60	-1.25	6.74
Node 301	182.60	-1.25	6.74
Node 302	192.60	10.00	8.89
Node 303	192.60	11.25	9.42
Node 304	187.60	10.00	8.89
Node 305	187.60	11.25	9.42
Node 306	182.60	10.00	8.89
Node 307	182.60	11.25	9.42
Node 308	192.60	5.00	7.40
Node 309	192.60	6.25	7.78
Node 310	187.60	5.00	7.40
Node 311	187.60	6.25	7.78
Node 312	182.60	5.00	7.40
Node 313	182.60	6.25	7.78
Node 314	192.60	15.00	10.99

Node 758	150.10	20.00	11.20
Node 759	175.10	20.00	11.20
Node 760	155.10	20.00	11.20
Node 761	166.60	0.00	5.20
Node 762	145.10	0.00	5.20
Node 763	170.10	0.00	5.20
Node 764	150.10	0.00	5.20
Node 765	175.10	0.00	5.20
Node 766	155.10	0.00	5.20
Node 799	177.60	20.00	12.71
Node 800	162.60	20.00	12.71
Node 801	157.60	20.00	12.71
Node 802	142.60	20.00	12.71
Node 803	172.60	20.00	12.71
Node 804	152.60	20.00	12.71
Node 805	167.60	20.00	12.71
Node 806	147.60	20.00	12.71
Node 807	177.60	23.75	13.22
Node 808	177.60	22.50	12.86
Node 809	157.60	23.75	13.22
Node 810	157.60	22.50	12.86
Node 811	177.60	21.25	12.51
Node 812	157.60	21.25	12.51
Node 813	172.60	23.75	13.22
Node 814	172.60	22.50	12.86
Node 815	152.60	23.75	13.22
Node 816	152.60	22.50	12.86
Node 817	172.60	21.25	12.51
Node 818	152.60	21.25	12.51
Node 819	167.60	23.75	13.22
Node 820	167.60	22.50	12.86
Node 821	147.60	23.75	13.22
Node 822	147.60	22.50	12.86
Node 823	167.60	21.25	12.51
Node 824	147.60	21.25	12.51
Node 825	162.60	23.75	13.22
Node 826	162.60	22.50	12.86
Node 827	142.60	23.75	13.22
Node 828	142.60	22.50	12.86
Node 829	162.60	21.25	12.51
Node 830	142.60	21.25	12.51
Node 831	177.60	22.50	13.41
Node 832	162.60	22.50	13.41
Node 833	157.60	22.50	13.41
Node 834	172.60	22.50	13.41
Node 835	152.60	22.50	13.41
Node 836	167.60	22.50	13.41
Node 837	147.60	22.50	13.41
Node 838	142.60	22.50	13.41
Node 839	177.60	21.25	13.06

Node 315	192.60	16.25	11.42
Node 316	187.60	15.00	10.99
Node 317	187.60	16.25	11.42
Node 318	182.60	15.00	10.99
Node 319	182.60	16.25	11.42
Node 320	202.60	3.75	7.23
Node 321	197.60	3.75	7.23
Node 322	202.60	2.50	7.06
Node 323	197.60	2.50	7.06
Node 324	202.60	-3.75	6.79
Node 325	202.60	-5.00	6.81
Node 326	197.60	-5.00	6.81
Node 327	197.60	-3.75	6.79
Node 328	202.60	-2.50	6.76
Node 329	197.60	-2.50	6.76
Node 330	202.60	13.75	10.46
Node 331	197.60	13.75	10.46
Node 332	202.60	12.50	9.94
Node 333	197.60	12.50	9.94
Node 334	202.60	8.75	8.52
Node 335	197.60	8.75	8.52
Node 336	202.60	7.50	8.15
Node 337	197.60	7.50	8.15
Node 338	202.60	18.75	12.28
Node 339	197.60	18.75	12.28
Node 340	202.60	17.50	11.85
Node 341	197.60	17.50	11.85
Node 342	192.60	3.75	7.23
Node 343	192.60	2.50	7.06
Node 344	187.60	3.75	7.23
Node 345	187.60	2.50	7.06
Node 346	182.60	3.75	7.23
Node 347	182.60	2.50	7.06
Node 348	192.60	-5.00	6.81
Node 349	192.60	-3.75	6.79
Node 350	192.60	-2.50	6.76
Node 351	187.60	-5.00	6.81
Node 352	187.60	-3.75	6.79
Node 353	187.60	-2.50	6.76
Node 354	182.60	-5.00	6.81
Node 355	182.60	-3.75	6.79
Node 356	182.60	-2.50	6.76
Node 357	192.60	13.75	10.46
Node 358	192.60	12.50	9.94
Node 359	187.60	13.75	10.46
Node 360	187.60	12.50	9.94
Node 361	182.60	13.75	10.46
Node 362	182.60	12.50	9.94
Node 363	192.60	8.75	8.52
Node 364	192.60	7.50	8.15

Node 840	162.60	21.25	13.06
Node 841	157.60	21.25	13.06
Node 842	172.60	21.25	13.06
Node 843	152.60	21.25	13.06
Node 844	167.60	21.25	13.06
Node 845	147.60	21.25	13.06
Node 846	142.60	21.25	13.06
Node 847	177.60	23.75	13.77
Node 848	162.60	23.75	13.77
Node 849	157.60	23.75	13.77
Node 850	172.60	23.75	13.77
Node 851	152.60	23.75	13.77
Node 852	167.60	23.75	13.77
Node 853	147.60	23.75	13.77
Node 854	142.60	23.75	13.77
Node 855	177.60	21.25	13.07
Node 856	162.60	21.25	13.07
Node 857	157.60	21.25	13.07
Node 858	142.60	21.25	13.07
Node 859	172.60	21.25	13.07
Node 860	152.60	21.25	13.07
Node 861	167.60	21.25	13.07
Node 862	147.60	21.25	13.07
Node 863	177.60	22.50	13.42
Node 864	162.60	22.50	13.42
Node 865	157.60	22.50	13.42
Node 866	142.60	22.50	13.42
Node 867	172.60	22.50	13.42
Node 868	152.60	22.50	13.42
Node 869	167.60	22.50	13.42
Node 870	147.60	22.50	13.42
Node 871	177.60	23.75	13.78
Node 872	162.60	23.75	13.78
Node 873	157.60	23.75	13.78
Node 874	142.60	23.75	13.78
Node 875	172.60	23.75	13.78
Node 876	152.60	23.75	13.78
Node 877	167.60	23.75	13.78
Node 878	147.60	23.75	13.78
Node 879	177.60	0.00	6.71
Node 880	172.60	0.00	6.71
Node 881	167.60	0.00	6.71
Node 882	162.60	0.00	6.71
Node 883	157.60	0.00	6.71
Node 884	152.60	0.00	6.71
Node 885	147.60	0.00	6.71
Node 886	142.60	0.00	6.71
Node 887	177.60	1.25	6.88
Node 888	172.60	1.25	6.88
Node 889	167.60	1.25	6.88

Node 365	187.60	8.75	8.52
Node 366	187.60	7.50	8.15
Node 367	182.60	8.75	8.52
Node 368	182.60	7.50	8.15
Node 369	192.60	18.75	12.28
Node 370	192.60	17.50	11.85
Node 371	187.60	18.75	12.28
Node 372	187.60	17.50	11.85
Node 373	182.60	18.75	12.28
Node 374	182.60	17.50	11.85
Node 375	162.60	0.00	-0.50
Node 376	142.60	0.00	-0.50
Node 377	162.60	20.00	-0.50
Node 378	142.60	20.00	-0.50
Node 379	177.60	1.25	6.32
Node 380	177.60	0.00	6.15
Node 381	157.60	1.25	6.32
Node 382	157.60	0.00	6.15
Node 383	172.60	1.25	6.32
Node 384	172.60	0.00	6.15
Node 385	152.60	1.25	6.32
Node 386	152.60	0.00	6.15
Node 387	167.60	1.25	6.32
Node 388	167.60	0.00	6.15
Node 389	147.60	1.25	6.32
Node 390	147.60	0.00	6.15
Node 391	162.60	1.25	6.32
Node 392	162.60	0.00	6.15
Node 393	142.60	1.25	6.32
Node 394	142.60	0.00	6.15
Node 395	177.60	-1.25	6.17
Node 396	157.60	-1.25	6.17
Node 397	172.60	-1.25	6.17
Node 398	152.60	-1.25	6.17
Node 399	167.60	-1.25	6.17
Node 400	147.60	-1.25	6.17
Node 401	162.60	-1.25	6.17
Node 402	142.60	-1.25	6.17
Node 403	177.60	11.25	8.86
Node 404	177.60	10.00	8.34
Node 405	157.60	11.25	8.86
Node 406	157.60	10.00	8.34
Node 407	172.60	11.25	8.86
Node 408	172.60	10.00	8.34
Node 409	152.60	11.25	8.86
Node 410	152.60	10.00	8.34
Node 411	167.60	11.25	8.86
Node 412	167.60	10.00	8.34
Node 413	147.60	11.25	8.86
Node 414	147.60	10.00	8.34

Node 890	162.60	1.25	6.88
Node 891	157.60	1.25	6.88
Node 892	152.60	1.25	6.88
Node 893	147.60	1.25	6.88
Node 894	142.60	1.25	6.88
Node 895	177.60	-1.25	6.74
Node 896	172.60	-1.25	6.74
Node 897	167.60	-1.25	6.74
Node 898	162.60	-1.25	6.74
Node 899	157.60	-1.25	6.74
Node 900	152.60	-1.25	6.74
Node 901	147.60	-1.25	6.74
Node 902	142.60	-1.25	6.74
Node 903	177.60	10.00	8.89
Node 904	172.60	10.00	8.89
Node 905	167.60	10.00	8.89
Node 906	162.60	10.00	8.89
Node 907	157.60	10.00	8.89
Node 908	152.60	10.00	8.89
Node 909	147.60	10.00	8.89
Node 910	142.60	10.00	8.89
Node 911	177.60	11.25	9.42
Node 912	172.60	11.25	9.42
Node 913	167.60	11.25	9.42
Node 914	162.60	11.25	9.42
Node 915	157.60	11.25	9.42
Node 916	152.60	11.25	9.42
Node 917	147.60	11.25	9.42
Node 918	142.60	11.25	9.42
Node 919	177.60	5.00	7.40
Node 920	172.60	5.00	7.40
Node 921	167.60	5.00	7.40
Node 922	162.60	5.00	7.40
Node 923	157.60	5.00	7.40
Node 924	152.60	5.00	7.40
Node 925	147.60	5.00	7.40
Node 926	142.60	5.00	7.40
Node 927	177.60	6.25	7.78
Node 928	172.60	6.25	7.78
Node 929	167.60	6.25	7.78
Node 930	162.60	6.25	7.78
Node 931	157.60	6.25	7.78
Node 932	152.60	6.25	7.78
Node 933	147.60	6.25	7.78
Node 934	142.60	6.25	7.78
Node 935	177.60	15.00	10.99
Node 936	172.60	15.00	10.99
Node 937	167.60	15.00	10.99
Node 938	162.60	15.00	10.99
Node 939	157.60	15.00	10.99

Node 415	162.60	11.25	8.86
Node 416	162.60	10.00	8.34
Node 417	142.60	11.25	8.86
Node 418	142.60	10.00	8.34
Node 419	177.60	6.25	7.22
Node 420	177.60	5.00	6.84
Node 421	157.60	6.25	7.22
Node 422	157.60	5.00	6.84
Node 423	172.60	6.25	7.22
Node 424	172.60	5.00	6.84
Node 425	152.60	6.25	7.22
Node 426	152.60	5.00	6.84
Node 427	167.60	6.25	7.22
Node 428	167.60	5.00	6.84
Node 429	147.60	6.25	7.22
Node 430	147.60	5.00	6.84
Node 431	162.60	6.25	7.22
Node 432	162.60	5.00	6.84
Node 433	142.60	6.25	7.22
Node 434	142.60	5.00	6.84
Node 435	177.60	16.25	10.86
Node 436	177.60	15.00	10.43
Node 437	157.60	16.25	10.86
Node 438	157.60	15.00	10.43
Node 439	172.60	16.25	10.86
Node 440	172.60	15.00	10.43
Node 441	152.60	16.25	10.86
Node 442	152.60	15.00	10.43
Node 443	167.60	16.25	10.86
Node 444	167.60	15.00	10.43
Node 445	147.60	16.25	10.86
Node 446	147.60	15.00	10.43
Node 447	162.60	16.25	10.86
Node 448	162.60	15.00	10.43
Node 449	142.60	16.25	10.86
Node 450	142.60	15.00	10.43
Node 451	177.60	3.75	6.67
Node 452	157.60	3.75	6.67
Node 453	177.60	2.50	6.50
Node 454	157.60	2.50	6.50
Node 455	172.60	3.75	6.67
Node 456	152.60	3.75	6.67
Node 457	172.60	2.50	6.50
Node 458	152.60	2.50	6.50
Node 459	167.60	3.75	6.67
Node 460	147.60	3.75	6.67
Node 461	167.60	2.50	6.50
Node 462	147.60	2.50	6.50
Node 463	162.60	3.75	6.67
Node 464	142.60	3.75	6.67

Node 940	152.60	15.00	10.99
Node 941	147.60	15.00	10.99
Node 942	142.60	15.00	10.99
Node 943	177.60	16.25	11.42
Node 944	172.60	16.25	11.42
Node 945	167.60	16.25	11.42
Node 946	162.60	16.25	11.42
Node 947	157.60	16.25	11.42
Node 948	152.60	16.25	11.42
Node 949	147.60	16.25	11.42
Node 950	142.60	16.25	11.42
Node 951	177.60	3.75	7.23
Node 952	172.60	3.75	7.23
Node 953	167.60	3.75	7.23
Node 954	162.60	3.75	7.23
Node 955	157.60	3.75	7.23
Node 956	152.60	3.75	7.23
Node 957	147.60	3.75	7.23
Node 958	142.60	3.75	7.23
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Node 960	172.60	2.50	7.06
Node 961	167.60	2.50	7.06
Node 962	162.60	2.50	7.06
Node 963	157.60	2.50	7.06
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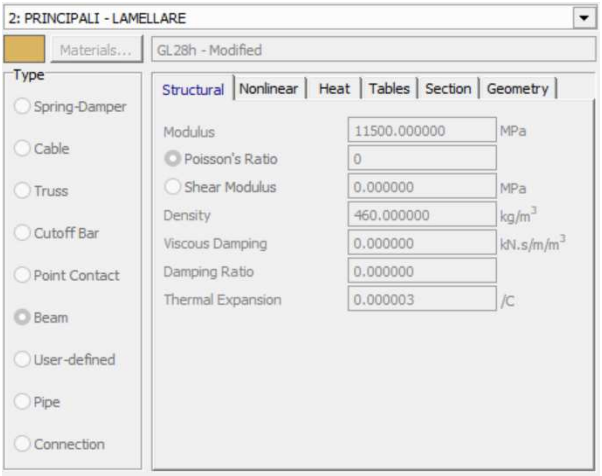
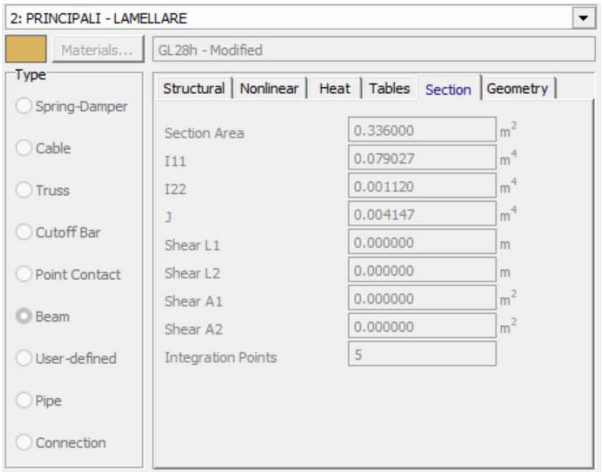
Node 970	162.60	-5.00	6.81
Node 971	157.60	-5.00	6.81
Node 972	152.60	-5.00	6.81
Node 973	147.60	-5.00	6.81
Node 974	142.60	-5.00	6.81
Node 975	177.60	-3.75	6.79
Node 976	172.60	-3.75	6.79
Node 977	167.60	-3.75	6.79
Node 978	162.60	-3.75	6.79
Node 979	157.60	-3.75	6.79
Node 980	152.60	-3.75	6.79
Node 981	147.60	-3.75	6.79
Node 982	142.60	-3.75	6.79
Node 983	177.60	-2.50	6.76
Node 984	172.60	-2.50	6.76
Node 985	167.60	-2.50	6.76
Node 986	162.60	-2.50	6.76
Node 987	157.60	-2.50	6.76
Node 988	152.60	-2.50	6.76
Node 989	147.60	-2.50	6.76

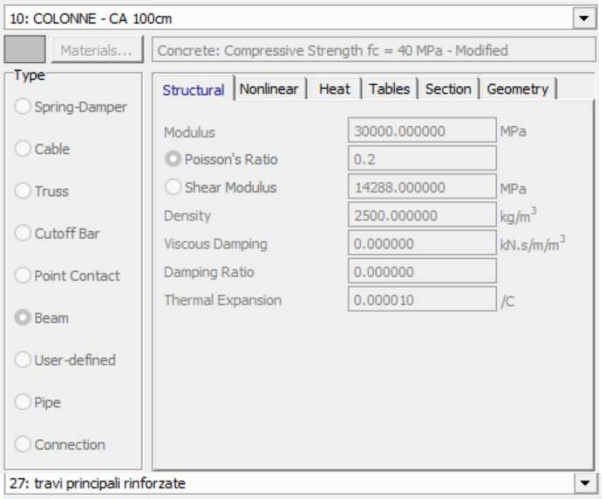
Node 465	162.60	2.50	6.50
Node 466	142.60	2.50	6.50
Node 467	177.60	-5.00	6.25
Node 468	177.60	-3.75	6.22
Node 469	157.60	-5.00	6.25
Node 470	157.60	-3.75	6.22
Node 471	177.60	-2.50	6.20
Node 472	157.60	-2.50	6.20
Node 473	172.60	-5.00	6.25
Node 474	172.60	-3.75	6.22
Node 475	152.60	-5.00	6.25
Node 476	152.60	-3.75	6.22
Node 477	172.60	-2.50	6.20
Node 478	152.60	-2.50	6.20
Node 479	167.60	-5.00	6.25
Node 480	167.60	-3.75	6.22
Node 481	147.60	-5.00	6.25
Node 482	147.60	-3.75	6.22
Node 483	167.60	-2.50	6.20
Node 484	147.60	-2.50	6.20
Node 485	162.60	-5.00	6.25
Node 486	162.60	-3.75	6.22
Node 487	142.60	-5.00	6.25
Node 488	142.60	-3.75	6.22
Node 489	162.60	-2.50	6.20
Node 490	142.60	-2.50	6.20
Node 491	177.60	13.75	9.90
Node 492	157.60	13.75	9.90
Node 493	177.60	12.50	9.38
Node 494	157.60	12.50	9.38
Node 495	172.60	13.75	9.90
Node 496	152.60	13.75	9.90
Node 497	172.60	12.50	9.38
Node 498	152.60	12.50	9.38
Node 499	167.60	13.75	9.90
Node 500	147.60	13.75	9.90
Node 501	167.60	12.50	9.38
Node 502	147.60	12.50	9.38
Node 503	162.60	13.75	9.90
Node 504	142.60	13.75	9.90
Node 505	162.60	12.50	9.38
Node 506	142.60	12.50	9.38
Node 507	177.60	8.75	7.96
Node 508	157.60	8.75	7.96
Node 509	177.60	7.50	7.59
Node 510	157.60	7.50	7.59
Node 511	172.60	8.75	7.96
Node 512	152.60	8.75	7.96
Node 513	172.60	7.50	7.59

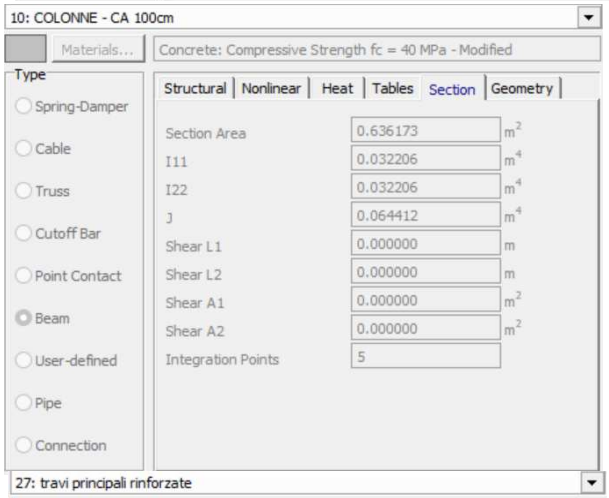
Node 990	142.60	-2.50	6.76
Node 991	177.60	13.75	10.46
Node 992	172.60	13.75	10.46
Node 993	167.60	13.75	10.46
Node 994	162.60	13.75	10.46
Node 995	157.60	13.75	10.46
Node 996	152.60	13.75	10.46
Node 997	147.60	13.75	10.46
Node 998	142.60	13.75	10.46
Node 999	177.60	12.50	9.94
Node 1000	172.60	12.50	9.94
Node 1001	167.60	12.50	9.94
Node 1002	162.60	12.50	9.94
Node 1003	157.60	12.50	9.94
Node 1004	152.60	12.50	9.94
Node 1005	147.60	12.50	9.94
Node 1006	142.60	12.50	9.94
Node 1007	177.60	8.75	8.52
Node 1008	172.60	8.75	8.52
Node 1009	167.60	8.75	8.52
Node 1010	162.60	8.75	8.52
Node 1011	157.60	8.75	8.52
Node 1012	152.60	8.75	8.52
Node 1013	147.60	8.75	8.52
Node 1014	142.60	8.75	8.52
Node 1015	177.60	7.50	8.15
Node 1016	172.60	7.50	8.15
Node 1017	167.60	7.50	8.15
Node 1018	162.60	7.50	8.15
Node 1019	157.60	7.50	8.15
Node 1020	152.60	7.50	8.15
Node 1021	147.60	7.50	8.15
Node 1022	142.60	7.50	8.15
Node 1023	177.60	18.75	12.28
Node 1024	172.60	18.75	12.28
Node 1025	167.60	18.75	12.28
Node 1026	162.60	18.75	12.28
Node 1027	157.60	18.75	12.28
Node 1028	152.60	18.75	12.28
Node 1029	147.60	18.75	12.28
Node 1030	142.60	18.75	12.28
Node 1031	177.60	17.50	11.85
Node 1032	172.60	17.50	11.85
Node 1033	167.60	17.50	11.85
Node 1034	162.60	17.50	11.85
Node 1035	157.60	17.50	11.85
Node 1036	152.60	17.50	11.85
Node 1037	147.60	17.50	11.85
Node 1038	142.60	17.50	11.85

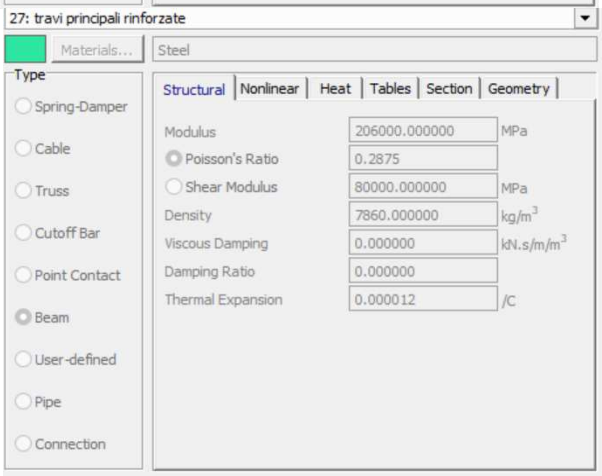
Proprietà delle sezioni utilizzate

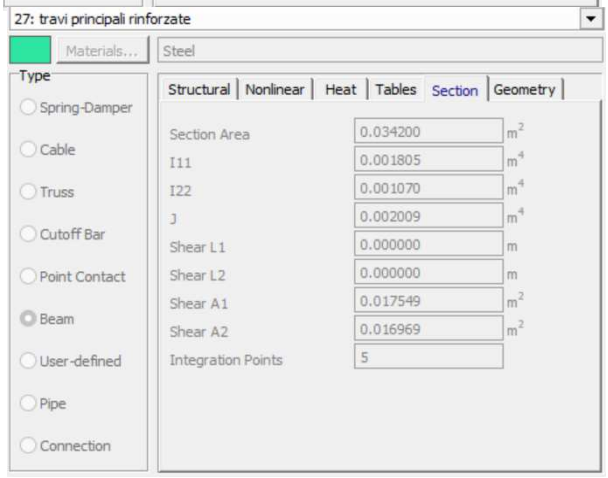












3: PRINCIPALI - ACCIAIO

Materials... | Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	206000.000000	MPa
Poisson's Ratio	0.2875	
Shear Modulus	80000.000000	MPa
Density	7860.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000012	/C

3: PRINCIPALI - ACCIAIO

Materials... | Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.026700	m^2
I11	0.001410	m^4
I22	0.000861	m^4
J	0.001606	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.013246	m^2
Shear A2	0.013651	m^2
Integration Points	5	

5: ARCARECCI - LAMELLARE

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

5: ARCARECCI - LAMELLARE

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032000	m^2
I11	0.000107	m^4
I22	0.000068	m^4
J	0.000145	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.000000	m^2
Shear A2	0.000000	m^2
Integration Points	5	

8: CONTROVENTI

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Include Torsional Stiffness		
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

8: CONTROVENTI

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032400	m^2
J	0.000148	m^4
Integration Points	5	

Definizione delle aste

	Type	Property	ID	Angle	N1	N2
				(deg)		
Beam 1	Beam2	2: PRINCIPALI - LAMELLARE	0	90	6	5
Beam 2	Beam2	2: PRINCIPALI - LAMELLARE	0	90	8	7
Beam 3	Beam2	2: PRINCIPALI - LAMELLARE	0	90	10	9
Beam 4	Beam2	2: PRINCIPALI - LAMELLARE	0	90	12	11
Beam 5	Beam2	2: PRINCIPALI - LAMELLARE	0	90	14	13
Beam 6	Beam2	2: PRINCIPALI - LAMELLARE	0	90	6	15
Beam 7	Beam2	2: PRINCIPALI - LAMELLARE	0	90	8	16
Beam 8	Beam2	2: PRINCIPALI - LAMELLARE	0	90	10	17
Beam 9	Beam2	2: PRINCIPALI - LAMELLARE	0	90	12	18
Beam 10	Beam2	2: PRINCIPALI - LAMELLARE	0	90	14	19
Beam 11	Beam2	2: PRINCIPALI - LAMELLARE	0	90	21	20
Beam 12	Beam2	2: PRINCIPALI - LAMELLARE	0	90	23	22
Beam 13	Beam2	2: PRINCIPALI - LAMELLARE	0	90	25	24
Beam 14	Beam2	2: PRINCIPALI - LAMELLARE	0	90	27	26
Beam 15	Beam2	2: PRINCIPALI - LAMELLARE	0	90	29	28
Beam 16	Beam2	2: PRINCIPALI - LAMELLARE	0	90	31	30
Beam 17	Beam2	2: PRINCIPALI - LAMELLARE	0	90	33	32
Beam 18	Beam2	2: PRINCIPALI - LAMELLARE	0	90	35	34
Beam 19	Beam2	2: PRINCIPALI - LAMELLARE	0	90	37	36
Beam 20	Beam2	2: PRINCIPALI - LAMELLARE	0	90	39	38
Beam 21	Beam2	2: PRINCIPALI - LAMELLARE	0	90	41	40
Beam 22	Beam2	2: PRINCIPALI - LAMELLARE	0	90	43	42
Beam 23	Beam2	2: PRINCIPALI - LAMELLARE	0	90	45	44
Beam 24	Beam2	2: PRINCIPALI - LAMELLARE	0	90	47	46
Beam 25	Beam2	2: PRINCIPALI - LAMELLARE	0	90	49	48
Beam 26	Beam2	2: PRINCIPALI - LAMELLARE	0	90	50	31
Beam 27	Beam2	2: PRINCIPALI - LAMELLARE	0	90	51	50
Beam 28	Beam2	2: PRINCIPALI - LAMELLARE	0	90	5	51
Beam 29	Beam2	2: PRINCIPALI - LAMELLARE	0	90	52	33
Beam 30	Beam2	2: PRINCIPALI - LAMELLARE	0	90	53	52
Beam 31	Beam2	2: PRINCIPALI - LAMELLARE	0	90	7	53
Beam 32	Beam2	2: PRINCIPALI - LAMELLARE	0	90	54	35
Beam 33	Beam2	2: PRINCIPALI - LAMELLARE	0	90	55	54
Beam 34	Beam2	2: PRINCIPALI - LAMELLARE	0	90	9	55
Beam 35	Beam2	2: PRINCIPALI - LAMELLARE	0	90	56	37
Beam 36	Beam2	2: PRINCIPALI - LAMELLARE	0	90	57	39
Beam 37	Beam2	2: PRINCIPALI - LAMELLARE	0	90	58	56
Beam 38	Beam2	2: PRINCIPALI - LAMELLARE	0	90	59	57
Beam 39	Beam2	2: PRINCIPALI - LAMELLARE	0	90	11	58
Beam 40	Beam2	2: PRINCIPALI - LAMELLARE	0	90	13	59
Beam 41	Beam2	2: PRINCIPALI - LAMELLARE	0	90	61	60
Beam 42	Beam2	2: PRINCIPALI - LAMELLARE	0	90	62	61
Beam 43	Beam2	2: PRINCIPALI - LAMELLARE	0	90	15	62
Beam 44	Beam2	2: PRINCIPALI - LAMELLARE	0	90	64	63

Beam 45	Beam2	2: PRINCIPALI - LAMELLARE	0	90	65	64
Beam 46	Beam2	2: PRINCIPALI - LAMELLARE	0	90	16	65
Beam 47	Beam2	2: PRINCIPALI - LAMELLARE	0	90	67	66
Beam 48	Beam2	2: PRINCIPALI - LAMELLARE	0	90	68	67
Beam 49	Beam2	2: PRINCIPALI - LAMELLARE	0	90	17	68
Beam 50	Beam2	2: PRINCIPALI - LAMELLARE	0	90	70	69
Beam 51	Beam2	2: PRINCIPALI - LAMELLARE	0	90	72	71
Beam 52	Beam2	2: PRINCIPALI - LAMELLARE	0	90	73	70
Beam 53	Beam2	2: PRINCIPALI - LAMELLARE	0	90	74	72
Beam 54	Beam2	2: PRINCIPALI - LAMELLARE	0	90	18	73
Beam 55	Beam2	2: PRINCIPALI - LAMELLARE	0	90	19	74
Beam 56	Beam2	2: PRINCIPALI - LAMELLARE	0	90	75	41
Beam 57	Beam2	2: PRINCIPALI - LAMELLARE	0	90	76	75
Beam 58	Beam2	2: PRINCIPALI - LAMELLARE	0	90	20	76
Beam 59	Beam2	2: PRINCIPALI - LAMELLARE	0	90	77	43
Beam 60	Beam2	2: PRINCIPALI - LAMELLARE	0	90	78	77
Beam 61	Beam2	2: PRINCIPALI - LAMELLARE	0	90	22	78
Beam 62	Beam2	2: PRINCIPALI - LAMELLARE	0	90	79	45
Beam 63	Beam2	2: PRINCIPALI - LAMELLARE	0	90	80	79
Beam 64	Beam2	2: PRINCIPALI - LAMELLARE	0	90	24	80
Beam 65	Beam2	2: PRINCIPALI - LAMELLARE	0	90	81	47
Beam 66	Beam2	2: PRINCIPALI - LAMELLARE	0	90	82	49
Beam 67	Beam2	2: PRINCIPALI - LAMELLARE	0	90	83	81
Beam 68	Beam2	2: PRINCIPALI - LAMELLARE	0	90	84	82
Beam 69	Beam2	2: PRINCIPALI - LAMELLARE	0	90	26	83
Beam 70	Beam2	2: PRINCIPALI - LAMELLARE	0	90	28	84
Beam 71	Beam2	2: PRINCIPALI - LAMELLARE	0	90	85	21
Beam 72	Beam2	2: PRINCIPALI - LAMELLARE	0	90	86	85
Beam 73	Beam2	2: PRINCIPALI - LAMELLARE	0	90	30	86
Beam 74	Beam2	2: PRINCIPALI - LAMELLARE	0	90	87	23
Beam 75	Beam2	2: PRINCIPALI - LAMELLARE	0	90	88	87
Beam 76	Beam2	2: PRINCIPALI - LAMELLARE	0	90	32	88
Beam 77	Beam2	2: PRINCIPALI - LAMELLARE	0	90	89	25
Beam 78	Beam2	2: PRINCIPALI - LAMELLARE	0	90	90	89
Beam 79	Beam2	2: PRINCIPALI - LAMELLARE	0	90	34	90
Beam 80	Beam2	2: PRINCIPALI - LAMELLARE	0	90	91	27
Beam 81	Beam2	2: PRINCIPALI - LAMELLARE	0	90	92	29
Beam 82	Beam2	2: PRINCIPALI - LAMELLARE	0	90	93	91
Beam 83	Beam2	2: PRINCIPALI - LAMELLARE	0	90	94	92
Beam 84	Beam2	2: PRINCIPALI - LAMELLARE	0	90	36	93
Beam 85	Beam2	2: PRINCIPALI - LAMELLARE	0	90	38	94
Beam 86	Beam2	2: PRINCIPALI - LAMELLARE	0	90	96	95
Beam 87	Beam2	2: PRINCIPALI - LAMELLARE	0	90	97	96
Beam 88	Beam2	2: PRINCIPALI - LAMELLARE	0	90	40	97
Beam 89	Beam2	2: PRINCIPALI - LAMELLARE	0	90	99	98
Beam 90	Beam2	2: PRINCIPALI - LAMELLARE	0	90	100	99
Beam 91	Beam2	2: PRINCIPALI - LAMELLARE	0	90	42	100
Beam 92	Beam2	2: PRINCIPALI - LAMELLARE	0	90	102	101
Beam 93	Beam2	2: PRINCIPALI - LAMELLARE	0	90	103	102
Beam 94	Beam2	2: PRINCIPALI - LAMELLARE	0	90	44	103

Beam 95	Beam2	2: PRINCIPALI - LAMELLARE	0	90	105	104
Beam 96	Beam2	2: PRINCIPALI - LAMELLARE	0	90	107	106
Beam 97	Beam2	2: PRINCIPALI - LAMELLARE	0	90	108	105
Beam 98	Beam2	2: PRINCIPALI - LAMELLARE	0	90	109	107
Beam 99	Beam2	2: PRINCIPALI - LAMELLARE	0	90	46	108
Beam 100	Beam2	2: PRINCIPALI - LAMELLARE	0	90	48	109
Beam 101	Beam2	3: PRINCIPALI - ACCIAIO	0	90	216	215
Beam 102	Beam2	3: PRINCIPALI - ACCIAIO	0	90	218	217
Beam 103	Beam2	4: FICT 1	0	0	206	95
Beam 104	Beam2	4: FICT 1	0	0	207	98
Beam 105	Beam2	4: FICT 1	0	0	208	101
Beam 106	Beam2	4: FICT 1	0	0	205	104
Beam 107	Beam2	4: FICT 1	0	0	209	106
Beam 108	Beam2	4: FICT 1	0	0	141	5
Beam 109	Beam2	4: FICT 1	0	0	211	6
Beam 110	Beam2	4: FICT 1	0	0	142	7
Beam 111	Beam2	4: FICT 1	0	0	212	8
Beam 112	Beam2	4: FICT 1	0	0	143	9
Beam 113	Beam2	4: FICT 1	0	0	213	10
Beam 114	Beam2	4: FICT 1	0	0	140	11
Beam 115	Beam2	4: FICT 1	0	0	144	13
Beam 116	Beam2	4: FICT 1	0	0	210	12
Beam 117	Beam2	4: FICT 1	0	0	214	14
Beam 118	Beam2	4: FICT 1	0	0	156	15
Beam 119	Beam2	4: FICT 1	0	0	157	16
Beam 120	Beam2	4: FICT 1	0	0	158	17
Beam 121	Beam2	4: FICT 1	0	0	155	18
Beam 122	Beam2	4: FICT 1	0	0	159	19
Beam 123	Beam2	4: FICT 1	0	0	171	20
Beam 124	Beam2	4: FICT 1	0	0	116	21
Beam 125	Beam2	4: FICT 1	0	0	172	22
Beam 126	Beam2	4: FICT 1	0	0	117	23
Beam 127	Beam2	4: FICT 1	0	0	173	24
Beam 128	Beam2	4: FICT 1	0	0	118	25
Beam 129	Beam2	4: FICT 1	0	0	170	26
Beam 130	Beam2	4: FICT 1	0	0	174	28
Beam 131	Beam2	4: FICT 1	0	0	115	27
Beam 132	Beam2	4: FICT 1	0	0	119	29
Beam 133	Beam2	4: FICT 1	0	0	186	30
Beam 134	Beam2	4: FICT 1	0	0	121	31
Beam 135	Beam2	4: FICT 1	0	0	187	32
Beam 136	Beam2	4: FICT 1	0	0	122	33
Beam 137	Beam2	4: FICT 1	0	0	188	34
Beam 138	Beam2	4: FICT 1	0	0	123	35
Beam 139	Beam2	4: FICT 1	0	0	185	36
Beam 140	Beam2	4: FICT 1	0	0	189	38
Beam 141	Beam2	4: FICT 1	0	0	120	37
Beam 142	Beam2	4: FICT 1	0	0	124	39
Beam 143	Beam2	4: FICT 1	0	0	201	40
Beam 144	Beam2	4: FICT 1	0	0	126	41

Beam 145	Beam2	4: FICT 1	0	0	202	42
Beam 146	Beam2	4: FICT 1	0	0	127	43
Beam 147	Beam2	4: FICT 1	0	0	203	44
Beam 148	Beam2	4: FICT 1	0	0	128	45
Beam 149	Beam2	4: FICT 1	0	0	200	46
Beam 150	Beam2	4: FICT 1	0	0	204	48
Beam 151	Beam2	4: FICT 1	0	0	125	47
Beam 152	Beam2	4: FICT 1	0	0	129	49
Beam 153	Beam2	4: FICT 1	0	0	131	50
Beam 154	Beam2	4: FICT 1	0	0	136	51
Beam 155	Beam2	4: FICT 1	0	0	132	52
Beam 156	Beam2	4: FICT 1	0	0	137	53
Beam 157	Beam2	4: FICT 1	0	0	133	54
Beam 158	Beam2	4: FICT 1	0	0	138	55
Beam 159	Beam2	4: FICT 1	0	0	130	56
Beam 160	Beam2	4: FICT 1	0	0	134	57
Beam 161	Beam2	4: FICT 1	0	0	135	58
Beam 162	Beam2	4: FICT 1	0	0	139	59
Beam 163	Beam2	4: FICT 1	0	0	111	60
Beam 164	Beam2	4: FICT 1	0	0	146	61
Beam 165	Beam2	4: FICT 1	0	0	151	62
Beam 166	Beam2	4: FICT 1	0	0	112	63
Beam 167	Beam2	4: FICT 1	0	0	147	64
Beam 168	Beam2	4: FICT 1	0	0	152	65
Beam 169	Beam2	4: FICT 1	0	0	113	66
Beam 170	Beam2	4: FICT 1	0	0	148	67
Beam 171	Beam2	4: FICT 1	0	0	153	68
Beam 172	Beam2	4: FICT 1	0	0	110	69
Beam 173	Beam2	4: FICT 1	0	0	114	71
Beam 174	Beam2	4: FICT 1	0	0	145	70
Beam 175	Beam2	4: FICT 1	0	0	149	72
Beam 176	Beam2	4: FICT 1	0	0	150	73
Beam 177	Beam2	4: FICT 1	0	0	154	74
Beam 178	Beam2	4: FICT 1	0	0	161	75
Beam 179	Beam2	4: FICT 1	0	0	166	76
Beam 180	Beam2	4: FICT 1	0	0	162	77
Beam 181	Beam2	4: FICT 1	0	0	167	78
Beam 182	Beam2	4: FICT 1	0	0	163	79
Beam 183	Beam2	4: FICT 1	0	0	168	80
Beam 184	Beam2	4: FICT 1	0	0	160	81
Beam 185	Beam2	4: FICT 1	0	0	164	82
Beam 186	Beam2	4: FICT 1	0	0	165	83
Beam 187	Beam2	4: FICT 1	0	0	169	84
Beam 188	Beam2	4: FICT 1	0	0	176	85
Beam 189	Beam2	4: FICT 1	0	0	181	86
Beam 190	Beam2	4: FICT 1	0	0	177	87
Beam 191	Beam2	4: FICT 1	0	0	182	88
Beam 192	Beam2	4: FICT 1	0	0	178	89
Beam 193	Beam2	4: FICT 1	0	0	183	90
Beam 194	Beam2	4: FICT 1	0	0	175	91

Beam 195	Beam2	4: FICT 1	0	0	179	92
Beam 196	Beam2	4: FICT 1	0	0	180	93
Beam 197	Beam2	4: FICT 1	0	0	184	94
Beam 198	Beam2	4: FICT 1	0	0	191	96
Beam 199	Beam2	4: FICT 1	0	0	196	97
Beam 200	Beam2	4: FICT 1	0	0	192	99
Beam 201	Beam2	4: FICT 1	0	0	197	100
Beam 202	Beam2	4: FICT 1	0	0	193	102
Beam 203	Beam2	4: FICT 1	0	0	198	103
Beam 204	Beam2	4: FICT 1	0	0	190	105
Beam 205	Beam2	4: FICT 1	0	0	194	107
Beam 206	Beam2	4: FICT 1	0	0	195	108
Beam 207	Beam2	4: FICT 1	0	0	199	109
Beam 208	Beam2	6: FICT 2	0	0	220	219
Beam 209	Beam2	6: FICT 2	0	0	222	221
Beam 210	Beam2	6: FICT 2	0	0	224	223
Beam 211	Beam2	6: FICT 2	0	0	226	225
Beam 212	Beam2	6: FICT 2	0	0	227	219
Beam 213	Beam2	6: FICT 2	0	0	228	221
Beam 214	Beam2	6: FICT 2	0	0	229	223
Beam 215	Beam2	6: FICT 2	0	0	230	225
Beam 216	Beam2	4: FICT 1	0	0	231	95
Beam 217	Beam2	4: FICT 1	0	0	232	98
Beam 218	Beam2	4: FICT 1	0	0	233	101
Beam 219	Beam2	4: FICT 1	0	0	227	104
Beam 220	Beam2	4: FICT 1	0	0	228	106
Beam 221	Beam2	4: FICT 1	0	0	234	6
Beam 222	Beam2	4: FICT 1	0	0	235	8
Beam 223	Beam2	4: FICT 1	0	0	236	10
Beam 224	Beam2	4: FICT 1	0	0	229	12
Beam 225	Beam2	4: FICT 1	0	0	230	14
Beam 226	Beam2	6: FICT 2	0	0	233	237
Beam 227	Beam2	6: FICT 2	0	0	232	238
Beam 228	Beam2	6: FICT 2	0	0	231	216
Beam 229	Beam2	6: FICT 2	0	0	236	239
Beam 230	Beam2	6: FICT 2	0	0	235	240
Beam 231	Beam2	6: FICT 2	0	0	234	218
Beam 232	Beam2	27: PRINCIPALI RINFORZATE	0	90	221	241
Beam 233	Beam2	3: PRINCIPALI - ACCIAIO	0	90	237	242
Beam 234	Beam2	3: PRINCIPALI - ACCIAIO	0	90	238	243
Beam 235	Beam2	27: PRINCIPALI RINFORZATE	0	90	225	244
Beam 236	Beam2	3: PRINCIPALI - ACCIAIO	0	90	239	245
Beam 237	Beam2	3: PRINCIPALI - ACCIAIO	0	90	240	246
Beam 238	Beam2	8: CONTROVENTI	0	0	126	205
Beam 239	Beam2	8: CONTROVENTI	0	0	115	126
Beam 240	Beam2	8: CONTROVENTI	0	0	121	115
Beam 241	Beam2	8: CONTROVENTI	0	0	210	121
Beam 242	Beam2	8: CONTROVENTI	0	0	111	210
Beam 243	Beam2	8: CONTROVENTI	0	0	213	112
Beam 244	Beam2	8: CONTROVENTI	0	0	122	213

Beam 245	Beam2	8: CONTROVENTI	0	0	118	122
Beam 246	Beam2	8: CONTROVENTI	0	0	127	118
Beam 247	Beam2	8: CONTROVENTI	0	0	208	127
Beam 282	Beam2	3: PRINCIPALI - ACCIAIO	0	90	215	219
Beam 283	Beam2	3: PRINCIPALI - ACCIAIO	0	90	217	223
Beam 284	Beam2	3: PRINCIPALI - ACCIAIO	0	90	241	237
Beam 285	Beam2	3: PRINCIPALI - ACCIAIO	0	90	242	238
Beam 286	Beam2	3: PRINCIPALI - ACCIAIO	0	90	243	216
Beam 287	Beam2	3: PRINCIPALI - ACCIAIO	0	90	244	239
Beam 288	Beam2	3: PRINCIPALI - ACCIAIO	0	90	245	240
Beam 289	Beam2	3: PRINCIPALI - ACCIAIO	0	90	246	218
Beam 290	Beam2	4: FICT 1	0	0	27	268
Beam 291	Beam2	4: FICT 1	0	0	37	269
Beam 292	Beam2	4: FICT 1	0	0	47	267
Beam 293	Beam2	21: FICT 3	0	0	205	270
Beam 294	Beam2	21: FICT 3	0	0	206	271
Beam 295	Beam2	21: FICT 3	0	0	140	272
Beam 296	Beam2	21: FICT 3	0	0	210	273
Beam 297	Beam2	21: FICT 3	0	0	211	274
Beam 298	Beam2	21: FICT 3	0	0	141	275
Beam 299	Beam2	21: FICT 3	0	0	155	276
Beam 300	Beam2	21: FICT 3	0	0	156	277
Beam 301	Beam2	21: FICT 3	0	0	170	278
Beam 302	Beam2	21: FICT 3	0	0	115	279
Beam 303	Beam2	21: FICT 3	0	0	116	280
Beam 304	Beam2	21: FICT 3	0	0	171	281
Beam 305	Beam2	21: FICT 3	0	0	185	282
Beam 306	Beam2	21: FICT 3	0	0	120	283
Beam 307	Beam2	21: FICT 3	0	0	121	284
Beam 308	Beam2	21: FICT 3	0	0	186	285
Beam 309	Beam2	21: FICT 3	0	0	200	286
Beam 310	Beam2	21: FICT 3	0	0	125	287
Beam 311	Beam2	21: FICT 3	0	0	126	288
Beam 312	Beam2	21: FICT 3	0	0	201	289
Beam 313	Beam2	21: FICT 3	0	0	207	290
Beam 314	Beam2	21: FICT 3	0	0	208	291
Beam 315	Beam2	21: FICT 3	0	0	209	292
Beam 316	Beam2	21: FICT 3	0	0	212	293
Beam 317	Beam2	21: FICT 3	0	0	142	294
Beam 318	Beam2	21: FICT 3	0	0	213	295
Beam 319	Beam2	21: FICT 3	0	0	143	296
Beam 320	Beam2	21: FICT 3	0	0	214	297
Beam 321	Beam2	21: FICT 3	0	0	144	298
Beam 322	Beam2	21: FICT 3	0	0	157	299
Beam 323	Beam2	21: FICT 3	0	0	158	300
Beam 324	Beam2	21: FICT 3	0	0	159	301
Beam 325	Beam2	21: FICT 3	0	0	117	302
Beam 326	Beam2	21: FICT 3	0	0	172	303
Beam 327	Beam2	21: FICT 3	0	0	118	304
Beam 328	Beam2	21: FICT 3	0	0	173	305

Beam 329	Beam2	21: FICT 3	0	0	119	306
Beam 330	Beam2	21: FICT 3	0	0	174	307
Beam 331	Beam2	21: FICT 3	0	0	122	308
Beam 332	Beam2	21: FICT 3	0	0	187	309
Beam 333	Beam2	21: FICT 3	0	0	123	310
Beam 334	Beam2	21: FICT 3	0	0	188	311
Beam 335	Beam2	21: FICT 3	0	0	124	312
Beam 336	Beam2	21: FICT 3	0	0	189	313
Beam 337	Beam2	21: FICT 3	0	0	127	314
Beam 338	Beam2	21: FICT 3	0	0	202	315
Beam 339	Beam2	21: FICT 3	0	0	128	316
Beam 340	Beam2	21: FICT 3	0	0	203	317
Beam 341	Beam2	21: FICT 3	0	0	129	318
Beam 342	Beam2	21: FICT 3	0	0	204	319
Beam 343	Beam2	21: FICT 3	0	0	130	320
Beam 344	Beam2	21: FICT 3	0	0	131	321
Beam 345	Beam2	21: FICT 3	0	0	135	322
Beam 346	Beam2	21: FICT 3	0	0	136	323
Beam 347	Beam2	21: FICT 3	0	0	145	324
Beam 348	Beam2	21: FICT 3	0	0	110	325
Beam 349	Beam2	21: FICT 3	0	0	111	326
Beam 350	Beam2	21: FICT 3	0	0	146	327
Beam 351	Beam2	21: FICT 3	0	0	150	328
Beam 352	Beam2	21: FICT 3	0	0	151	329
Beam 353	Beam2	21: FICT 3	0	0	160	330
Beam 354	Beam2	21: FICT 3	0	0	161	331
Beam 355	Beam2	21: FICT 3	0	0	165	332
Beam 356	Beam2	21: FICT 3	0	0	166	333
Beam 357	Beam2	21: FICT 3	0	0	175	334
Beam 358	Beam2	21: FICT 3	0	0	176	335
Beam 359	Beam2	21: FICT 3	0	0	180	336
Beam 360	Beam2	21: FICT 3	0	0	181	337
Beam 361	Beam2	21: FICT 3	0	0	190	338
Beam 362	Beam2	21: FICT 3	0	0	191	339
Beam 363	Beam2	21: FICT 3	0	0	195	340
Beam 364	Beam2	21: FICT 3	0	0	196	341
Beam 365	Beam2	21: FICT 3	0	0	132	342
Beam 366	Beam2	21: FICT 3	0	0	137	343
Beam 367	Beam2	21: FICT 3	0	0	133	344
Beam 368	Beam2	21: FICT 3	0	0	138	345
Beam 369	Beam2	21: FICT 3	0	0	134	346
Beam 370	Beam2	21: FICT 3	0	0	139	347
Beam 371	Beam2	21: FICT 3	0	0	112	348
Beam 372	Beam2	21: FICT 3	0	0	147	349
Beam 373	Beam2	21: FICT 3	0	0	152	350
Beam 374	Beam2	21: FICT 3	0	0	113	351
Beam 375	Beam2	21: FICT 3	0	0	148	352
Beam 376	Beam2	21: FICT 3	0	0	153	353
Beam 377	Beam2	21: FICT 3	0	0	114	354
Beam 378	Beam2	21: FICT 3	0	0	149	355

Beam 379	Beam2	21: FICT 3	0	0	154	356
Beam 380	Beam2	21: FICT 3	0	0	162	357
Beam 381	Beam2	21: FICT 3	0	0	167	358
Beam 382	Beam2	21: FICT 3	0	0	163	359
Beam 383	Beam2	21: FICT 3	0	0	168	360
Beam 384	Beam2	21: FICT 3	0	0	164	361
Beam 385	Beam2	21: FICT 3	0	0	169	362
Beam 386	Beam2	21: FICT 3	0	0	177	363
Beam 387	Beam2	21: FICT 3	0	0	182	364
Beam 388	Beam2	21: FICT 3	0	0	178	365
Beam 389	Beam2	21: FICT 3	0	0	183	366
Beam 390	Beam2	21: FICT 3	0	0	179	367
Beam 391	Beam2	21: FICT 3	0	0	184	368
Beam 392	Beam2	21: FICT 3	0	0	192	369
Beam 393	Beam2	21: FICT 3	0	0	197	370
Beam 394	Beam2	21: FICT 3	0	0	193	371
Beam 395	Beam2	21: FICT 3	0	0	198	372
Beam 396	Beam2	21: FICT 3	0	0	194	373
Beam 397	Beam2	21: FICT 3	0	0	199	374
Beam 398	Beam2	2: PRINCIPALI - LAMELLARE	0	90	380	379
Beam 399	Beam2	2: PRINCIPALI - LAMELLARE	0	90	382	381
Beam 400	Beam2	2: PRINCIPALI - LAMELLARE	0	90	384	383
Beam 401	Beam2	2: PRINCIPALI - LAMELLARE	0	90	386	385
Beam 402	Beam2	2: PRINCIPALI - LAMELLARE	0	90	388	387
Beam 403	Beam2	2: PRINCIPALI - LAMELLARE	0	90	390	389
Beam 404	Beam2	2: PRINCIPALI - LAMELLARE	0	90	392	391
Beam 405	Beam2	2: PRINCIPALI - LAMELLARE	0	90	394	393
Beam 406	Beam2	2: PRINCIPALI - LAMELLARE	0	90	380	395
Beam 407	Beam2	2: PRINCIPALI - LAMELLARE	0	90	382	396
Beam 408	Beam2	2: PRINCIPALI - LAMELLARE	0	90	384	397
Beam 409	Beam2	2: PRINCIPALI - LAMELLARE	0	90	386	398
Beam 410	Beam2	2: PRINCIPALI - LAMELLARE	0	90	388	399
Beam 411	Beam2	2: PRINCIPALI - LAMELLARE	0	90	390	400
Beam 412	Beam2	2: PRINCIPALI - LAMELLARE	0	90	392	401
Beam 413	Beam2	2: PRINCIPALI - LAMELLARE	0	90	394	402
Beam 414	Beam2	2: PRINCIPALI - LAMELLARE	0	90	404	403
Beam 415	Beam2	2: PRINCIPALI - LAMELLARE	0	90	406	405
Beam 416	Beam2	2: PRINCIPALI - LAMELLARE	0	90	408	407
Beam 417	Beam2	2: PRINCIPALI - LAMELLARE	0	90	410	409
Beam 418	Beam2	2: PRINCIPALI - LAMELLARE	0	90	412	411
Beam 419	Beam2	2: PRINCIPALI - LAMELLARE	0	90	414	413
Beam 420	Beam2	2: PRINCIPALI - LAMELLARE	0	90	416	415
Beam 421	Beam2	2: PRINCIPALI - LAMELLARE	0	90	418	417
Beam 422	Beam2	2: PRINCIPALI - LAMELLARE	0	90	420	419
Beam 423	Beam2	2: PRINCIPALI - LAMELLARE	0	90	422	421
Beam 424	Beam2	2: PRINCIPALI - LAMELLARE	0	90	424	423
Beam 425	Beam2	2: PRINCIPALI - LAMELLARE	0	90	426	425
Beam 426	Beam2	2: PRINCIPALI - LAMELLARE	0	90	428	427
Beam 427	Beam2	2: PRINCIPALI - LAMELLARE	0	90	430	429
Beam 428	Beam2	2: PRINCIPALI - LAMELLARE	0	90	432	431

Beam 429	Beam2	2: PRINCIPALI - LAMELLARE	0	90	434	433
Beam 430	Beam2	2: PRINCIPALI - LAMELLARE	0	90	436	435
Beam 431	Beam2	2: PRINCIPALI - LAMELLARE	0	90	438	437
Beam 432	Beam2	2: PRINCIPALI - LAMELLARE	0	90	440	439
Beam 433	Beam2	2: PRINCIPALI - LAMELLARE	0	90	442	441
Beam 434	Beam2	2: PRINCIPALI - LAMELLARE	0	90	444	443
Beam 435	Beam2	2: PRINCIPALI - LAMELLARE	0	90	446	445
Beam 436	Beam2	2: PRINCIPALI - LAMELLARE	0	90	448	447
Beam 437	Beam2	2: PRINCIPALI - LAMELLARE	0	90	450	449
Beam 438	Beam2	2: PRINCIPALI - LAMELLARE	0	90	451	420
Beam 439	Beam2	2: PRINCIPALI - LAMELLARE	0	90	452	422
Beam 440	Beam2	2: PRINCIPALI - LAMELLARE	0	90	453	451
Beam 441	Beam2	2: PRINCIPALI - LAMELLARE	0	90	454	452
Beam 442	Beam2	2: PRINCIPALI - LAMELLARE	0	90	379	453
Beam 443	Beam2	2: PRINCIPALI - LAMELLARE	0	90	381	454
Beam 444	Beam2	2: PRINCIPALI - LAMELLARE	0	90	455	424
Beam 445	Beam2	2: PRINCIPALI - LAMELLARE	0	90	456	426
Beam 446	Beam2	2: PRINCIPALI - LAMELLARE	0	90	457	455
Beam 447	Beam2	2: PRINCIPALI - LAMELLARE	0	90	458	456
Beam 448	Beam2	2: PRINCIPALI - LAMELLARE	0	90	383	457
Beam 449	Beam2	2: PRINCIPALI - LAMELLARE	0	90	385	458
Beam 450	Beam2	2: PRINCIPALI - LAMELLARE	0	90	459	428
Beam 451	Beam2	2: PRINCIPALI - LAMELLARE	0	90	460	430
Beam 452	Beam2	2: PRINCIPALI - LAMELLARE	0	90	461	459
Beam 453	Beam2	2: PRINCIPALI - LAMELLARE	0	90	462	460
Beam 454	Beam2	2: PRINCIPALI - LAMELLARE	0	90	387	461
Beam 455	Beam2	2: PRINCIPALI - LAMELLARE	0	90	389	462
Beam 456	Beam2	2: PRINCIPALI - LAMELLARE	0	90	463	432
Beam 457	Beam2	2: PRINCIPALI - LAMELLARE	0	90	464	434
Beam 458	Beam2	2: PRINCIPALI - LAMELLARE	0	90	465	463
Beam 459	Beam2	2: PRINCIPALI - LAMELLARE	0	90	466	464
Beam 460	Beam2	2: PRINCIPALI - LAMELLARE	0	90	391	465
Beam 461	Beam2	2: PRINCIPALI - LAMELLARE	0	90	393	466
Beam 462	Beam2	2: PRINCIPALI - LAMELLARE	0	90	468	467
Beam 463	Beam2	2: PRINCIPALI - LAMELLARE	0	90	470	469
Beam 464	Beam2	2: PRINCIPALI - LAMELLARE	0	90	471	468
Beam 465	Beam2	2: PRINCIPALI - LAMELLARE	0	90	472	470
Beam 466	Beam2	2: PRINCIPALI - LAMELLARE	0	90	395	471
Beam 467	Beam2	2: PRINCIPALI - LAMELLARE	0	90	396	472
Beam 468	Beam2	2: PRINCIPALI - LAMELLARE	0	90	474	473
Beam 469	Beam2	2: PRINCIPALI - LAMELLARE	0	90	476	475
Beam 470	Beam2	2: PRINCIPALI - LAMELLARE	0	90	477	474
Beam 471	Beam2	2: PRINCIPALI - LAMELLARE	0	90	478	476
Beam 472	Beam2	2: PRINCIPALI - LAMELLARE	0	90	397	477
Beam 473	Beam2	2: PRINCIPALI - LAMELLARE	0	90	398	478
Beam 474	Beam2	2: PRINCIPALI - LAMELLARE	0	90	480	479
Beam 475	Beam2	2: PRINCIPALI - LAMELLARE	0	90	482	481
Beam 476	Beam2	2: PRINCIPALI - LAMELLARE	0	90	483	480
Beam 477	Beam2	2: PRINCIPALI - LAMELLARE	0	90	484	482
Beam 478	Beam2	2: PRINCIPALI - LAMELLARE	0	90	399	483

Beam 479	Beam2	2: PRINCIPALI - LAMELLARE	0	90	400	484
Beam 480	Beam2	2: PRINCIPALI - LAMELLARE	0	90	486	485
Beam 481	Beam2	2: PRINCIPALI - LAMELLARE	0	90	488	487
Beam 482	Beam2	2: PRINCIPALI - LAMELLARE	0	90	489	486
Beam 483	Beam2	2: PRINCIPALI - LAMELLARE	0	90	490	488
Beam 484	Beam2	2: PRINCIPALI - LAMELLARE	0	90	401	489
Beam 485	Beam2	2: PRINCIPALI - LAMELLARE	0	90	402	490
Beam 486	Beam2	2: PRINCIPALI - LAMELLARE	0	90	491	436
Beam 487	Beam2	2: PRINCIPALI - LAMELLARE	0	90	492	438
Beam 488	Beam2	2: PRINCIPALI - LAMELLARE	0	90	493	491
Beam 489	Beam2	2: PRINCIPALI - LAMELLARE	0	90	494	492
Beam 490	Beam2	2: PRINCIPALI - LAMELLARE	0	90	403	493
Beam 491	Beam2	2: PRINCIPALI - LAMELLARE	0	90	405	494
Beam 492	Beam2	2: PRINCIPALI - LAMELLARE	0	90	495	440
Beam 493	Beam2	2: PRINCIPALI - LAMELLARE	0	90	496	442
Beam 494	Beam2	2: PRINCIPALI - LAMELLARE	0	90	497	495
Beam 495	Beam2	2: PRINCIPALI - LAMELLARE	0	90	498	496
Beam 496	Beam2	2: PRINCIPALI - LAMELLARE	0	90	407	497
Beam 497	Beam2	2: PRINCIPALI - LAMELLARE	0	90	409	498
Beam 498	Beam2	2: PRINCIPALI - LAMELLARE	0	90	499	444
Beam 499	Beam2	2: PRINCIPALI - LAMELLARE	0	90	500	446
Beam 500	Beam2	2: PRINCIPALI - LAMELLARE	0	90	501	499
Beam 501	Beam2	2: PRINCIPALI - LAMELLARE	0	90	502	500
Beam 502	Beam2	2: PRINCIPALI - LAMELLARE	0	90	411	501
Beam 503	Beam2	2: PRINCIPALI - LAMELLARE	0	90	413	502
Beam 504	Beam2	2: PRINCIPALI - LAMELLARE	0	90	503	448
Beam 505	Beam2	2: PRINCIPALI - LAMELLARE	0	90	504	450
Beam 506	Beam2	2: PRINCIPALI - LAMELLARE	0	90	505	503
Beam 507	Beam2	2: PRINCIPALI - LAMELLARE	0	90	506	504
Beam 508	Beam2	2: PRINCIPALI - LAMELLARE	0	90	415	505
Beam 509	Beam2	2: PRINCIPALI - LAMELLARE	0	90	417	506
Beam 510	Beam2	2: PRINCIPALI - LAMELLARE	0	90	507	404
Beam 511	Beam2	2: PRINCIPALI - LAMELLARE	0	90	508	406
Beam 512	Beam2	2: PRINCIPALI - LAMELLARE	0	90	509	507
Beam 513	Beam2	2: PRINCIPALI - LAMELLARE	0	90	510	508
Beam 514	Beam2	2: PRINCIPALI - LAMELLARE	0	90	419	509
Beam 515	Beam2	2: PRINCIPALI - LAMELLARE	0	90	421	510
Beam 516	Beam2	2: PRINCIPALI - LAMELLARE	0	90	511	408
Beam 517	Beam2	2: PRINCIPALI - LAMELLARE	0	90	512	410
Beam 518	Beam2	2: PRINCIPALI - LAMELLARE	0	90	513	511
Beam 519	Beam2	2: PRINCIPALI - LAMELLARE	0	90	514	512
Beam 520	Beam2	2: PRINCIPALI - LAMELLARE	0	90	423	513
Beam 521	Beam2	2: PRINCIPALI - LAMELLARE	0	90	425	514
Beam 522	Beam2	2: PRINCIPALI - LAMELLARE	0	90	515	412
Beam 523	Beam2	2: PRINCIPALI - LAMELLARE	0	90	516	414
Beam 524	Beam2	2: PRINCIPALI - LAMELLARE	0	90	517	515
Beam 525	Beam2	2: PRINCIPALI - LAMELLARE	0	90	518	516
Beam 526	Beam2	2: PRINCIPALI - LAMELLARE	0	90	427	517
Beam 527	Beam2	2: PRINCIPALI - LAMELLARE	0	90	429	518
Beam 528	Beam2	2: PRINCIPALI - LAMELLARE	0	90	519	416

Beam 529	Beam2	2: PRINCIPALI - LAMELLARE	0	90	520	418
Beam 530	Beam2	2: PRINCIPALI - LAMELLARE	0	90	521	519
Beam 531	Beam2	2: PRINCIPALI - LAMELLARE	0	90	522	520
Beam 532	Beam2	2: PRINCIPALI - LAMELLARE	0	90	431	521
Beam 533	Beam2	2: PRINCIPALI - LAMELLARE	0	90	433	522
Beam 534	Beam2	2: PRINCIPALI - LAMELLARE	0	90	524	523
Beam 535	Beam2	2: PRINCIPALI - LAMELLARE	0	90	526	525
Beam 536	Beam2	2: PRINCIPALI - LAMELLARE	0	90	527	524
Beam 537	Beam2	2: PRINCIPALI - LAMELLARE	0	90	528	526
Beam 538	Beam2	2: PRINCIPALI - LAMELLARE	0	90	435	527
Beam 539	Beam2	2: PRINCIPALI - LAMELLARE	0	90	437	528
Beam 540	Beam2	2: PRINCIPALI - LAMELLARE	0	90	530	529
Beam 541	Beam2	2: PRINCIPALI - LAMELLARE	0	90	532	531
Beam 542	Beam2	2: PRINCIPALI - LAMELLARE	0	90	533	530
Beam 543	Beam2	2: PRINCIPALI - LAMELLARE	0	90	534	532
Beam 544	Beam2	2: PRINCIPALI - LAMELLARE	0	90	439	533
Beam 545	Beam2	2: PRINCIPALI - LAMELLARE	0	90	441	534
Beam 546	Beam2	2: PRINCIPALI - LAMELLARE	0	90	536	535
Beam 547	Beam2	2: PRINCIPALI - LAMELLARE	0	90	538	537
Beam 548	Beam2	2: PRINCIPALI - LAMELLARE	0	90	539	536
Beam 549	Beam2	2: PRINCIPALI - LAMELLARE	0	90	540	538
Beam 550	Beam2	2: PRINCIPALI - LAMELLARE	0	90	443	539
Beam 551	Beam2	2: PRINCIPALI - LAMELLARE	0	90	445	540
Beam 552	Beam2	2: PRINCIPALI - LAMELLARE	0	90	542	541
Beam 553	Beam2	2: PRINCIPALI - LAMELLARE	0	90	544	543
Beam 554	Beam2	2: PRINCIPALI - LAMELLARE	0	90	545	542
Beam 555	Beam2	2: PRINCIPALI - LAMELLARE	0	90	546	544
Beam 556	Beam2	2: PRINCIPALI - LAMELLARE	0	90	447	545
Beam 557	Beam2	2: PRINCIPALI - LAMELLARE	0	90	449	546
Beam 558	Beam2	3: PRINCIPALI - ACCIAIO	0	90	716	715
Beam 559	Beam2	3: PRINCIPALI - ACCIAIO	0	90	718	717
Beam 560	Beam2	3: PRINCIPALI - ACCIAIO	0	90	720	719
Beam 561	Beam2	3: PRINCIPALI - ACCIAIO	0	90	722	721
Beam 562	Beam2	4: FICT 1	0	0	699	523
Beam 563	Beam2	4: FICT 1	0	0	701	525
Beam 564	Beam2	4: FICT 1	0	0	702	529
Beam 565	Beam2	4: FICT 1	0	0	703	531
Beam 566	Beam2	4: FICT 1	0	0	704	535
Beam 567	Beam2	4: FICT 1	0	0	705	537
Beam 568	Beam2	4: FICT 1	0	0	700	541
Beam 569	Beam2	4: FICT 1	0	0	706	543
Beam 570	Beam2	4: FICT 1	0	0	595	379
Beam 571	Beam2	4: FICT 1	0	0	597	381
Beam 572	Beam2	4: FICT 1	0	0	707	380
Beam 573	Beam2	4: FICT 1	0	0	709	382
Beam 574	Beam2	4: FICT 1	0	0	598	383
Beam 575	Beam2	4: FICT 1	0	0	599	385
Beam 576	Beam2	4: FICT 1	0	0	710	384
Beam 577	Beam2	4: FICT 1	0	0	711	386
Beam 578	Beam2	4: FICT 1	0	0	600	387

Beam 579	Beam2	4: FICT 1	0	0	601	389
Beam 580	Beam2	4: FICT 1	0	0	712	388
Beam 581	Beam2	4: FICT 1	0	0	713	390
Beam 582	Beam2	4: FICT 1	0	0	596	391
Beam 583	Beam2	4: FICT 1	0	0	602	393
Beam 584	Beam2	4: FICT 1	0	0	708	392
Beam 585	Beam2	4: FICT 1	0	0	714	394
Beam 586	Beam2	4: FICT 1	0	0	619	395
Beam 587	Beam2	4: FICT 1	0	0	621	396
Beam 588	Beam2	4: FICT 1	0	0	622	397
Beam 589	Beam2	4: FICT 1	0	0	623	398
Beam 590	Beam2	4: FICT 1	0	0	624	399
Beam 591	Beam2	4: FICT 1	0	0	625	400
Beam 592	Beam2	4: FICT 1	0	0	620	401
Beam 593	Beam2	4: FICT 1	0	0	626	402
Beam 594	Beam2	4: FICT 1	0	0	643	403
Beam 595	Beam2	4: FICT 1	0	0	645	405
Beam 596	Beam2	4: FICT 1	0	0	555	404
Beam 597	Beam2	4: FICT 1	0	0	557	406
Beam 598	Beam2	4: FICT 1	0	0	646	407
Beam 599	Beam2	4: FICT 1	0	0	647	409
Beam 600	Beam2	4: FICT 1	0	0	558	408
Beam 601	Beam2	4: FICT 1	0	0	559	410
Beam 602	Beam2	4: FICT 1	0	0	648	411
Beam 603	Beam2	4: FICT 1	0	0	649	413
Beam 604	Beam2	4: FICT 1	0	0	560	412
Beam 605	Beam2	4: FICT 1	0	0	561	414
Beam 606	Beam2	4: FICT 1	0	0	644	415
Beam 607	Beam2	4: FICT 1	0	0	650	417
Beam 608	Beam2	4: FICT 1	0	0	556	416
Beam 609	Beam2	4: FICT 1	0	0	562	418
Beam 610	Beam2	4: FICT 1	0	0	667	419
Beam 611	Beam2	4: FICT 1	0	0	669	421
Beam 612	Beam2	4: FICT 1	0	0	563	420
Beam 613	Beam2	4: FICT 1	0	0	565	422
Beam 614	Beam2	4: FICT 1	0	0	670	423
Beam 615	Beam2	4: FICT 1	0	0	671	425
Beam 616	Beam2	4: FICT 1	0	0	566	424
Beam 617	Beam2	4: FICT 1	0	0	567	426
Beam 618	Beam2	4: FICT 1	0	0	672	427
Beam 619	Beam2	4: FICT 1	0	0	673	429
Beam 620	Beam2	4: FICT 1	0	0	568	428
Beam 621	Beam2	4: FICT 1	0	0	569	430
Beam 622	Beam2	4: FICT 1	0	0	668	431
Beam 623	Beam2	4: FICT 1	0	0	674	433
Beam 624	Beam2	4: FICT 1	0	0	564	432
Beam 625	Beam2	4: FICT 1	0	0	570	434
Beam 626	Beam2	4: FICT 1	0	0	691	435
Beam 627	Beam2	4: FICT 1	0	0	693	437
Beam 628	Beam2	4: FICT 1	0	0	571	436

Beam 629	Beam2	4: FICT 1	0	0	573	438
Beam 630	Beam2	4: FICT 1	0	0	694	439
Beam 631	Beam2	4: FICT 1	0	0	695	441
Beam 632	Beam2	4: FICT 1	0	0	574	440
Beam 633	Beam2	4: FICT 1	0	0	575	442
Beam 634	Beam2	4: FICT 1	0	0	696	443
Beam 635	Beam2	4: FICT 1	0	0	697	445
Beam 636	Beam2	4: FICT 1	0	0	576	444
Beam 637	Beam2	4: FICT 1	0	0	577	446
Beam 638	Beam2	4: FICT 1	0	0	692	447
Beam 639	Beam2	4: FICT 1	0	0	698	449
Beam 640	Beam2	4: FICT 1	0	0	572	448
Beam 641	Beam2	4: FICT 1	0	0	578	450
Beam 642	Beam2	4: FICT 1	0	0	579	451
Beam 643	Beam2	4: FICT 1	0	0	581	452
Beam 644	Beam2	4: FICT 1	0	0	587	453
Beam 645	Beam2	4: FICT 1	0	0	589	454
Beam 646	Beam2	4: FICT 1	0	0	582	455
Beam 647	Beam2	4: FICT 1	0	0	583	456
Beam 648	Beam2	4: FICT 1	0	0	590	457
Beam 649	Beam2	4: FICT 1	0	0	591	458
Beam 650	Beam2	4: FICT 1	0	0	584	459
Beam 651	Beam2	4: FICT 1	0	0	585	460
Beam 652	Beam2	4: FICT 1	0	0	592	461
Beam 653	Beam2	4: FICT 1	0	0	593	462
Beam 654	Beam2	4: FICT 1	0	0	580	463
Beam 655	Beam2	4: FICT 1	0	0	586	464
Beam 656	Beam2	4: FICT 1	0	0	588	465
Beam 657	Beam2	4: FICT 1	0	0	594	466
Beam 658	Beam2	4: FICT 1	0	0	547	467
Beam 659	Beam2	4: FICT 1	0	0	549	469
Beam 660	Beam2	4: FICT 1	0	0	603	468
Beam 661	Beam2	4: FICT 1	0	0	605	470
Beam 662	Beam2	4: FICT 1	0	0	611	471
Beam 663	Beam2	4: FICT 1	0	0	613	472
Beam 664	Beam2	4: FICT 1	0	0	550	473
Beam 665	Beam2	4: FICT 1	0	0	551	475
Beam 666	Beam2	4: FICT 1	0	0	606	474
Beam 667	Beam2	4: FICT 1	0	0	607	476
Beam 668	Beam2	4: FICT 1	0	0	614	477
Beam 669	Beam2	4: FICT 1	0	0	615	478
Beam 670	Beam2	4: FICT 1	0	0	552	479
Beam 671	Beam2	4: FICT 1	0	0	553	481
Beam 672	Beam2	4: FICT 1	0	0	608	480
Beam 673	Beam2	4: FICT 1	0	0	609	482
Beam 674	Beam2	4: FICT 1	0	0	616	483
Beam 675	Beam2	4: FICT 1	0	0	617	484
Beam 676	Beam2	4: FICT 1	0	0	548	485
Beam 677	Beam2	4: FICT 1	0	0	554	487
Beam 678	Beam2	4: FICT 1	0	0	604	486

Beam 679	Beam2	4: FICT 1	0	0	610	488
Beam 680	Beam2	4: FICT 1	0	0	612	489
Beam 681	Beam2	4: FICT 1	0	0	618	490
Beam 682	Beam2	4: FICT 1	0	0	627	491
Beam 683	Beam2	4: FICT 1	0	0	629	492
Beam 684	Beam2	4: FICT 1	0	0	635	493
Beam 685	Beam2	4: FICT 1	0	0	637	494
Beam 686	Beam2	4: FICT 1	0	0	630	495
Beam 687	Beam2	4: FICT 1	0	0	631	496
Beam 688	Beam2	4: FICT 1	0	0	638	497
Beam 689	Beam2	4: FICT 1	0	0	639	498
Beam 690	Beam2	4: FICT 1	0	0	632	499
Beam 691	Beam2	4: FICT 1	0	0	633	500
Beam 692	Beam2	4: FICT 1	0	0	640	501
Beam 693	Beam2	4: FICT 1	0	0	641	502
Beam 694	Beam2	4: FICT 1	0	0	628	503
Beam 695	Beam2	4: FICT 1	0	0	634	504
Beam 696	Beam2	4: FICT 1	0	0	636	505
Beam 697	Beam2	4: FICT 1	0	0	642	506
Beam 698	Beam2	4: FICT 1	0	0	651	507
Beam 699	Beam2	4: FICT 1	0	0	653	508
Beam 700	Beam2	4: FICT 1	0	0	659	509
Beam 701	Beam2	4: FICT 1	0	0	661	510
Beam 702	Beam2	4: FICT 1	0	0	654	511
Beam 703	Beam2	4: FICT 1	0	0	655	512
Beam 704	Beam2	4: FICT 1	0	0	662	513
Beam 705	Beam2	4: FICT 1	0	0	663	514
Beam 706	Beam2	4: FICT 1	0	0	656	515
Beam 707	Beam2	4: FICT 1	0	0	657	516
Beam 708	Beam2	4: FICT 1	0	0	664	517
Beam 709	Beam2	4: FICT 1	0	0	665	518
Beam 710	Beam2	4: FICT 1	0	0	652	519
Beam 711	Beam2	4: FICT 1	0	0	658	520
Beam 712	Beam2	4: FICT 1	0	0	660	521
Beam 713	Beam2	4: FICT 1	0	0	666	522
Beam 714	Beam2	4: FICT 1	0	0	675	524
Beam 715	Beam2	4: FICT 1	0	0	677	526
Beam 716	Beam2	4: FICT 1	0	0	683	527
Beam 717	Beam2	4: FICT 1	0	0	685	528
Beam 718	Beam2	4: FICT 1	0	0	678	530
Beam 719	Beam2	4: FICT 1	0	0	679	532
Beam 720	Beam2	4: FICT 1	0	0	686	533
Beam 721	Beam2	4: FICT 1	0	0	687	534
Beam 722	Beam2	4: FICT 1	0	0	680	536
Beam 723	Beam2	4: FICT 1	0	0	681	538
Beam 724	Beam2	4: FICT 1	0	0	688	539
Beam 725	Beam2	4: FICT 1	0	0	689	540
Beam 726	Beam2	4: FICT 1	0	0	676	542
Beam 727	Beam2	4: FICT 1	0	0	682	544
Beam 728	Beam2	4: FICT 1	0	0	684	545

Beam 729	Beam2	4: FICT 1	0	0	690	546
Beam 730	Beam2	6: FICT 2	0	0	724	723
Beam 731	Beam2	6: FICT 2	0	0	726	725
Beam 732	Beam2	6: FICT 2	0	0	728	727
Beam 733	Beam2	6: FICT 2	0	0	730	729
Beam 734	Beam2	6: FICT 2	0	0	731	723
Beam 735	Beam2	6: FICT 2	0	0	732	725
Beam 736	Beam2	6: FICT 2	0	0	733	727
Beam 737	Beam2	6: FICT 2	0	0	734	729
Beam 738	Beam2	4: FICT 1	0	0	735	523
Beam 739	Beam2	4: FICT 1	0	0	736	525
Beam 740	Beam2	4: FICT 1	0	0	737	529
Beam 741	Beam2	4: FICT 1	0	0	738	531
Beam 742	Beam2	4: FICT 1	0	0	739	535
Beam 743	Beam2	4: FICT 1	0	0	740	537
Beam 744	Beam2	4: FICT 1	0	0	731	541
Beam 745	Beam2	4: FICT 1	0	0	732	543
Beam 746	Beam2	4: FICT 1	0	0	741	380
Beam 747	Beam2	4: FICT 1	0	0	742	382
Beam 748	Beam2	4: FICT 1	0	0	743	384
Beam 749	Beam2	4: FICT 1	0	0	744	386
Beam 750	Beam2	4: FICT 1	0	0	745	388
Beam 751	Beam2	4: FICT 1	0	0	746	390
Beam 752	Beam2	4: FICT 1	0	0	733	392
Beam 753	Beam2	4: FICT 1	0	0	734	394
Beam 754	Beam2	6: FICT 2	0	0	739	747
Beam 755	Beam2	6: FICT 2	0	0	740	748
Beam 756	Beam2	6: FICT 2	0	0	737	749
Beam 757	Beam2	6: FICT 2	0	0	738	750
Beam 758	Beam2	6: FICT 2	0	0	735	716
Beam 759	Beam2	6: FICT 2	0	0	736	718
Beam 760	Beam2	6: FICT 2	0	0	745	751
Beam 761	Beam2	6: FICT 2	0	0	746	752
Beam 762	Beam2	6: FICT 2	0	0	743	753
Beam 763	Beam2	6: FICT 2	0	0	744	754
Beam 764	Beam2	6: FICT 2	0	0	741	720
Beam 765	Beam2	6: FICT 2	0	0	742	722
Beam 766	Beam2	27: PRINCIPALI RINFORZATE	0	90	723	755
Beam 767	Beam2	3: PRINCIPALI - ACCIAIO	0	90	725	756
Beam 768	Beam2	3: PRINCIPALI - ACCIAIO	0	90	747	757
Beam 769	Beam2	3: PRINCIPALI - ACCIAIO	0	90	748	758
Beam 770	Beam2	3: PRINCIPALI - ACCIAIO	0	90	749	759
Beam 771	Beam2	3: PRINCIPALI - ACCIAIO	0	90	750	760
Beam 772	Beam2	27: PRINCIPALI RINFORZATE	0	90	727	761
Beam 773	Beam2	3: PRINCIPALI - ACCIAIO	0	90	729	762
Beam 774	Beam2	3: PRINCIPALI - ACCIAIO	0	90	751	763
Beam 775	Beam2	3: PRINCIPALI - ACCIAIO	0	90	752	764
Beam 776	Beam2	3: PRINCIPALI - ACCIAIO	0	90	753	765
Beam 777	Beam2	3: PRINCIPALI - ACCIAIO	0	90	754	766
Beam 778	Beam2	8: CONTROVENTI	0	0	712	550

Beam 779	Beam2	8: CONTROVENTI	0	0	714	553
Beam 780	Beam2	8: CONTROVENTI	0	0	566	712
Beam 781	Beam2	8: CONTROVENTI	0	0	569	714
Beam 782	Beam2	8: CONTROVENTI	0	0	560	566
Beam 783	Beam2	8: CONTROVENTI	0	0	562	569
Beam 784	Beam2	8: CONTROVENTI	0	0	574	560
Beam 785	Beam2	8: CONTROVENTI	0	0	577	562
Beam 786	Beam2	8: CONTROVENTI	0	0	704	574
Beam 787	Beam2	8: CONTROVENTI	0	0	706	577
Beam 820	Beam2	27: PRINCIPALI RINFORZATE	0	90	715	221
Beam 821	Beam2	27: PRINCIPALI RINFORZATE	0	90	717	723
Beam 822	Beam2	27: PRINCIPALI RINFORZATE	0	90	719	225
Beam 823	Beam2	27: PRINCIPALI RINFORZATE	0	90	721	727
Beam 824	Beam2	3: PRINCIPALI - ACCIAIO	0	90	755	747
Beam 825	Beam2	3: PRINCIPALI - ACCIAIO	0	90	756	748
Beam 826	Beam2	3: PRINCIPALI - ACCIAIO	0	90	757	749
Beam 827	Beam2	3: PRINCIPALI - ACCIAIO	0	90	758	750
Beam 828	Beam2	3: PRINCIPALI - ACCIAIO	0	90	759	716
Beam 829	Beam2	3: PRINCIPALI - ACCIAIO	0	90	760	718
Beam 830	Beam2	3: PRINCIPALI - ACCIAIO	0	90	761	751
Beam 831	Beam2	3: PRINCIPALI - ACCIAIO	0	90	762	752
Beam 832	Beam2	3: PRINCIPALI - ACCIAIO	0	90	763	753
Beam 833	Beam2	3: PRINCIPALI - ACCIAIO	0	90	764	754
Beam 834	Beam2	3: PRINCIPALI - ACCIAIO	0	90	765	720
Beam 835	Beam2	3: PRINCIPALI - ACCIAIO	0	90	766	722
Beam 867	Beam2	21: FICT 3	0	0	699	799
Beam 868	Beam2	21: FICT 3	0	0	700	800
Beam 869	Beam2	21: FICT 3	0	0	701	801
Beam 870	Beam2	21: FICT 3	0	0	706	802
Beam 871	Beam2	21: FICT 3	0	0	702	803
Beam 872	Beam2	21: FICT 3	0	0	703	804
Beam 873	Beam2	21: FICT 3	0	0	704	805
Beam 874	Beam2	21: FICT 3	0	0	705	806
Beam 875	Beam2	2: PRINCIPALI - LAMELLARE	0	90	808	807
Beam 876	Beam2	2: PRINCIPALI - LAMELLARE	0	90	810	809
Beam 877	Beam2	2: PRINCIPALI - LAMELLARE	0	90	811	808
Beam 878	Beam2	2: PRINCIPALI - LAMELLARE	0	90	812	810
Beam 879	Beam2	2: PRINCIPALI - LAMELLARE	0	90	523	811
Beam 880	Beam2	2: PRINCIPALI - LAMELLARE	0	90	525	812
Beam 881	Beam2	2: PRINCIPALI - LAMELLARE	0	90	814	813
Beam 882	Beam2	2: PRINCIPALI - LAMELLARE	0	90	816	815
Beam 883	Beam2	2: PRINCIPALI - LAMELLARE	0	90	817	814
Beam 884	Beam2	2: PRINCIPALI - LAMELLARE	0	90	818	816
Beam 885	Beam2	2: PRINCIPALI - LAMELLARE	0	90	529	817
Beam 886	Beam2	2: PRINCIPALI - LAMELLARE	0	90	531	818
Beam 887	Beam2	2: PRINCIPALI - LAMELLARE	0	90	820	819
Beam 888	Beam2	2: PRINCIPALI - LAMELLARE	0	90	822	821
Beam 889	Beam2	2: PRINCIPALI - LAMELLARE	0	90	823	820
Beam 890	Beam2	2: PRINCIPALI - LAMELLARE	0	90	824	822
Beam 891	Beam2	2: PRINCIPALI - LAMELLARE	0	90	535	823

Beam 892	Beam2	2: PRINCIPALI - LAMELLARE	0	90	537	824
Beam 893	Beam2	2: PRINCIPALI - LAMELLARE	0	90	826	825
Beam 894	Beam2	2: PRINCIPALI - LAMELLARE	0	90	828	827
Beam 895	Beam2	2: PRINCIPALI - LAMELLARE	0	90	829	826
Beam 896	Beam2	2: PRINCIPALI - LAMELLARE	0	90	830	828
Beam 897	Beam2	2: PRINCIPALI - LAMELLARE	0	90	541	829
Beam 898	Beam2	2: PRINCIPALI - LAMELLARE	0	90	543	830
Beam 899	Beam2	4: FICT 1	0	0	847	807
Beam 900	Beam2	4: FICT 1	0	0	849	809
Beam 901	Beam2	4: FICT 1	0	0	850	813
Beam 902	Beam2	4: FICT 1	0	0	851	815
Beam 903	Beam2	4: FICT 1	0	0	852	819
Beam 904	Beam2	4: FICT 1	0	0	853	821
Beam 905	Beam2	4: FICT 1	0	0	848	825
Beam 906	Beam2	4: FICT 1	0	0	854	827
Beam 907	Beam2	4: FICT 1	0	0	831	808
Beam 908	Beam2	4: FICT 1	0	0	833	810
Beam 909	Beam2	4: FICT 1	0	0	839	811
Beam 910	Beam2	4: FICT 1	0	0	841	812
Beam 911	Beam2	4: FICT 1	0	0	834	814
Beam 912	Beam2	4: FICT 1	0	0	835	816
Beam 913	Beam2	4: FICT 1	0	0	842	817
Beam 914	Beam2	4: FICT 1	0	0	843	818
Beam 915	Beam2	4: FICT 1	0	0	836	820
Beam 916	Beam2	4: FICT 1	0	0	837	822
Beam 917	Beam2	4: FICT 1	0	0	844	823
Beam 918	Beam2	4: FICT 1	0	0	845	824
Beam 919	Beam2	4: FICT 1	0	0	832	826
Beam 920	Beam2	4: FICT 1	0	0	838	828
Beam 921	Beam2	4: FICT 1	0	0	840	829
Beam 922	Beam2	4: FICT 1	0	0	846	830
Beam 923	Beam2	21: FICT 3	0	0	839	855
Beam 924	Beam2	21: FICT 3	0	0	840	856
Beam 925	Beam2	21: FICT 3	0	0	841	857
Beam 926	Beam2	21: FICT 3	0	0	846	858
Beam 927	Beam2	21: FICT 3	0	0	842	859
Beam 928	Beam2	21: FICT 3	0	0	843	860
Beam 929	Beam2	21: FICT 3	0	0	844	861
Beam 930	Beam2	21: FICT 3	0	0	845	862
Beam 931	Beam2	21: FICT 3	0	0	831	863
Beam 932	Beam2	21: FICT 3	0	0	832	864
Beam 933	Beam2	21: FICT 3	0	0	833	865
Beam 934	Beam2	21: FICT 3	0	0	838	866
Beam 935	Beam2	21: FICT 3	0	0	834	867
Beam 936	Beam2	21: FICT 3	0	0	835	868
Beam 937	Beam2	21: FICT 3	0	0	836	869
Beam 938	Beam2	21: FICT 3	0	0	837	870
Beam 939	Beam2	21: FICT 3	0	0	847	871
Beam 940	Beam2	21: FICT 3	0	0	848	872
Beam 941	Beam2	21: FICT 3	0	0	849	873

Beam 942	Beam2	21: FICT 3	0	0	854	874
Beam 943	Beam2	21: FICT 3	0	0	850	875
Beam 944	Beam2	21: FICT 3	0	0	851	876
Beam 945	Beam2	21: FICT 3	0	0	852	877
Beam 946	Beam2	21: FICT 3	0	0	853	878
Beam 947	Beam2	21: FICT 3	0	0	707	879
Beam 948	Beam2	21: FICT 3	0	0	710	880
Beam 949	Beam2	21: FICT 3	0	0	712	881
Beam 950	Beam2	21: FICT 3	0	0	708	882
Beam 951	Beam2	21: FICT 3	0	0	709	883
Beam 952	Beam2	21: FICT 3	0	0	711	884
Beam 953	Beam2	21: FICT 3	0	0	713	885
Beam 954	Beam2	21: FICT 3	0	0	714	886
Beam 955	Beam2	21: FICT 3	0	0	595	887
Beam 956	Beam2	21: FICT 3	0	0	598	888
Beam 957	Beam2	21: FICT 3	0	0	600	889
Beam 958	Beam2	21: FICT 3	0	0	596	890
Beam 959	Beam2	21: FICT 3	0	0	597	891
Beam 960	Beam2	21: FICT 3	0	0	599	892
Beam 961	Beam2	21: FICT 3	0	0	601	893
Beam 962	Beam2	21: FICT 3	0	0	602	894
Beam 963	Beam2	21: FICT 3	0	0	619	895
Beam 964	Beam2	21: FICT 3	0	0	622	896
Beam 965	Beam2	21: FICT 3	0	0	624	897
Beam 966	Beam2	21: FICT 3	0	0	620	898
Beam 967	Beam2	21: FICT 3	0	0	621	899
Beam 968	Beam2	21: FICT 3	0	0	623	900
Beam 969	Beam2	21: FICT 3	0	0	625	901
Beam 970	Beam2	21: FICT 3	0	0	626	902
Beam 971	Beam2	21: FICT 3	0	0	555	903
Beam 972	Beam2	21: FICT 3	0	0	558	904
Beam 973	Beam2	21: FICT 3	0	0	560	905
Beam 974	Beam2	21: FICT 3	0	0	556	906
Beam 975	Beam2	21: FICT 3	0	0	557	907
Beam 976	Beam2	21: FICT 3	0	0	559	908
Beam 977	Beam2	21: FICT 3	0	0	561	909
Beam 978	Beam2	21: FICT 3	0	0	562	910
Beam 979	Beam2	21: FICT 3	0	0	643	911
Beam 980	Beam2	21: FICT 3	0	0	646	912
Beam 981	Beam2	21: FICT 3	0	0	648	913
Beam 982	Beam2	21: FICT 3	0	0	644	914
Beam 983	Beam2	21: FICT 3	0	0	645	915
Beam 984	Beam2	21: FICT 3	0	0	647	916
Beam 985	Beam2	21: FICT 3	0	0	649	917
Beam 986	Beam2	21: FICT 3	0	0	650	918
Beam 987	Beam2	21: FICT 3	0	0	563	919
Beam 988	Beam2	21: FICT 3	0	0	566	920
Beam 989	Beam2	21: FICT 3	0	0	568	921
Beam 990	Beam2	21: FICT 3	0	0	564	922
Beam 991	Beam2	21: FICT 3	0	0	565	923

Beam 992	Beam2	21: FICT 3	0	0	567	924
Beam 993	Beam2	21: FICT 3	0	0	569	925
Beam 994	Beam2	21: FICT 3	0	0	570	926
Beam 995	Beam2	21: FICT 3	0	0	667	927
Beam 996	Beam2	21: FICT 3	0	0	670	928
Beam 997	Beam2	21: FICT 3	0	0	672	929
Beam 998	Beam2	21: FICT 3	0	0	668	930
Beam 999	Beam2	21: FICT 3	0	0	669	931
Beam 1000	Beam2	21: FICT 3	0	0	671	932
Beam 1001	Beam2	21: FICT 3	0	0	673	933
Beam 1002	Beam2	21: FICT 3	0	0	674	934
Beam 1003	Beam2	21: FICT 3	0	0	571	935
Beam 1004	Beam2	21: FICT 3	0	0	574	936
Beam 1005	Beam2	21: FICT 3	0	0	576	937
Beam 1006	Beam2	21: FICT 3	0	0	572	938
Beam 1007	Beam2	21: FICT 3	0	0	573	939
Beam 1008	Beam2	21: FICT 3	0	0	575	940
Beam 1009	Beam2	21: FICT 3	0	0	577	941
Beam 1010	Beam2	21: FICT 3	0	0	578	942
Beam 1011	Beam2	21: FICT 3	0	0	691	943
Beam 1012	Beam2	21: FICT 3	0	0	694	944
Beam 1013	Beam2	21: FICT 3	0	0	696	945
Beam 1014	Beam2	21: FICT 3	0	0	692	946
Beam 1015	Beam2	21: FICT 3	0	0	693	947
Beam 1016	Beam2	21: FICT 3	0	0	695	948
Beam 1017	Beam2	21: FICT 3	0	0	697	949
Beam 1018	Beam2	21: FICT 3	0	0	698	950
Beam 1019	Beam2	21: FICT 3	0	0	579	951
Beam 1020	Beam2	21: FICT 3	0	0	582	952
Beam 1021	Beam2	21: FICT 3	0	0	584	953
Beam 1022	Beam2	21: FICT 3	0	0	580	954
Beam 1023	Beam2	21: FICT 3	0	0	581	955
Beam 1024	Beam2	21: FICT 3	0	0	583	956
Beam 1025	Beam2	21: FICT 3	0	0	585	957
Beam 1026	Beam2	21: FICT 3	0	0	586	958
Beam 1027	Beam2	21: FICT 3	0	0	587	959
Beam 1028	Beam2	21: FICT 3	0	0	590	960
Beam 1029	Beam2	21: FICT 3	0	0	592	961
Beam 1030	Beam2	21: FICT 3	0	0	588	962
Beam 1031	Beam2	21: FICT 3	0	0	589	963
Beam 1032	Beam2	21: FICT 3	0	0	591	964
Beam 1033	Beam2	21: FICT 3	0	0	593	965
Beam 1034	Beam2	21: FICT 3	0	0	594	966
Beam 1035	Beam2	21: FICT 3	0	0	547	967
Beam 1036	Beam2	21: FICT 3	0	0	550	968
Beam 1037	Beam2	21: FICT 3	0	0	552	969
Beam 1038	Beam2	21: FICT 3	0	0	548	970
Beam 1039	Beam2	21: FICT 3	0	0	549	971
Beam 1040	Beam2	21: FICT 3	0	0	551	972
Beam 1041	Beam2	21: FICT 3	0	0	553	973

Beam 1042	Beam2	21: FICT 3	0	0	554	974
Beam 1043	Beam2	21: FICT 3	0	0	603	975
Beam 1044	Beam2	21: FICT 3	0	0	606	976
Beam 1045	Beam2	21: FICT 3	0	0	608	977
Beam 1046	Beam2	21: FICT 3	0	0	604	978
Beam 1047	Beam2	21: FICT 3	0	0	605	979
Beam 1048	Beam2	21: FICT 3	0	0	607	980
Beam 1049	Beam2	21: FICT 3	0	0	609	981
Beam 1050	Beam2	21: FICT 3	0	0	610	982
Beam 1051	Beam2	21: FICT 3	0	0	611	983
Beam 1052	Beam2	21: FICT 3	0	0	614	984
Beam 1053	Beam2	21: FICT 3	0	0	616	985
Beam 1054	Beam2	21: FICT 3	0	0	612	986
Beam 1055	Beam2	21: FICT 3	0	0	613	987
Beam 1056	Beam2	21: FICT 3	0	0	615	988
Beam 1057	Beam2	21: FICT 3	0	0	617	989
Beam 1058	Beam2	21: FICT 3	0	0	618	990
Beam 1059	Beam2	21: FICT 3	0	0	627	991
Beam 1060	Beam2	21: FICT 3	0	0	630	992
Beam 1061	Beam2	21: FICT 3	0	0	632	993
Beam 1062	Beam2	21: FICT 3	0	0	628	994
Beam 1063	Beam2	21: FICT 3	0	0	629	995
Beam 1064	Beam2	21: FICT 3	0	0	631	996
Beam 1065	Beam2	21: FICT 3	0	0	633	997
Beam 1066	Beam2	21: FICT 3	0	0	634	998
Beam 1067	Beam2	21: FICT 3	0	0	635	999
Beam 1068	Beam2	21: FICT 3	0	0	638	1000
Beam 1069	Beam2	21: FICT 3	0	0	640	1001
Beam 1070	Beam2	21: FICT 3	0	0	636	1002
Beam 1071	Beam2	21: FICT 3	0	0	637	1003
Beam 1072	Beam2	21: FICT 3	0	0	639	1004
Beam 1073	Beam2	21: FICT 3	0	0	641	1005
Beam 1074	Beam2	21: FICT 3	0	0	642	1006
Beam 1075	Beam2	21: FICT 3	0	0	651	1007
Beam 1076	Beam2	21: FICT 3	0	0	654	1008
Beam 1077	Beam2	21: FICT 3	0	0	656	1009
Beam 1078	Beam2	21: FICT 3	0	0	652	1010
Beam 1079	Beam2	21: FICT 3	0	0	653	1011
Beam 1080	Beam2	21: FICT 3	0	0	655	1012
Beam 1081	Beam2	21: FICT 3	0	0	657	1013
Beam 1082	Beam2	21: FICT 3	0	0	658	1014
Beam 1083	Beam2	21: FICT 3	0	0	659	1015
Beam 1084	Beam2	21: FICT 3	0	0	662	1016
Beam 1085	Beam2	21: FICT 3	0	0	664	1017
Beam 1086	Beam2	21: FICT 3	0	0	660	1018
Beam 1087	Beam2	21: FICT 3	0	0	661	1019
Beam 1088	Beam2	21: FICT 3	0	0	663	1020
Beam 1089	Beam2	21: FICT 3	0	0	665	1021
Beam 1090	Beam2	21: FICT 3	0	0	666	1022
Beam 1091	Beam2	21: FICT 3	0	0	675	1023

Beam 1092	Beam2	21: FICT 3	0	0	678	1024
Beam 1093	Beam2	21: FICT 3	0	0	680	1025
Beam 1094	Beam2	21: FICT 3	0	0	676	1026
Beam 1095	Beam2	21: FICT 3	0	0	677	1027
Beam 1096	Beam2	21: FICT 3	0	0	679	1028
Beam 1097	Beam2	21: FICT 3	0	0	681	1029
Beam 1098	Beam2	21: FICT 3	0	0	682	1030
Beam 1099	Beam2	21: FICT 3	0	0	683	1031
Beam 1100	Beam2	21: FICT 3	0	0	686	1032
Beam 1101	Beam2	21: FICT 3	0	0	688	1033
Beam 1102	Beam2	21: FICT 3	0	0	684	1034
Beam 1103	Beam2	21: FICT 3	0	0	685	1035
Beam 1104	Beam2	21: FICT 3	0	0	687	1036
Beam 1105	Beam2	21: FICT 3	0	0	689	1037
Beam 1106	Beam2	21: FICT 3	0	0	690	1038
Beam 1107	Beam2	10: COLONNE - CA 100cm	0	0	1	224
Beam 1108	Beam2	10: COLONNE - CA 100cm	0	0	2	226
Beam 1109	Beam2	10: COLONNE - CA 100cm	0	0	3	220
Beam 1110	Beam2	10: COLONNE - CA 100cm	0	0	4	222
Beam 1111	Beam2	10: COLONNE - CA 100cm	0	0	375	728
Beam 1112	Beam2	10: COLONNE - CA 100cm	0	0	376	730
Beam 1113	Beam2	10: COLONNE - CA 100cm	0	0	377	724
Beam 1114	Beam2	10: COLONNE - CA 100cm	0	0	378	726
Beam 1115	Beam2	5: ARCARECCI - LAMELLARE	0	90	554	553
Beam 1116	Beam2	5: ARCARECCI - LAMELLARE	0	90	562	561
Beam 1117	Beam2	5: ARCARECCI - LAMELLARE	0	90	570	569
Beam 1118	Beam2	5: ARCARECCI - LAMELLARE	0	90	578	577
Beam 1119	Beam2	5: ARCARECCI - LAMELLARE	0	90	586	585
Beam 1120	Beam2	5: ARCARECCI - LAMELLARE	0	90	594	593
Beam 1121	Beam2	5: ARCARECCI - LAMELLARE	0	90	602	601
Beam 1122	Beam2	5: ARCARECCI - LAMELLARE	0	90	610	609
Beam 1123	Beam2	5: ARCARECCI - LAMELLARE	0	90	618	617
Beam 1124	Beam2	5: ARCARECCI - LAMELLARE	0	90	626	625
Beam 1125	Beam2	5: ARCARECCI - LAMELLARE	0	90	634	633
Beam 1126	Beam2	5: ARCARECCI - LAMELLARE	0	90	642	641
Beam 1127	Beam2	5: ARCARECCI - LAMELLARE	0	90	650	649
Beam 1128	Beam2	5: ARCARECCI - LAMELLARE	0	90	658	657
Beam 1129	Beam2	5: ARCARECCI - LAMELLARE	0	90	666	665
Beam 1130	Beam2	5: ARCARECCI - LAMELLARE	0	90	674	673
Beam 1131	Beam2	5: ARCARECCI - LAMELLARE	0	90	682	681
Beam 1132	Beam2	5: ARCARECCI - LAMELLARE	0	90	690	689
Beam 1133	Beam2	5: ARCARECCI - LAMELLARE	0	90	698	697
Beam 1134	Beam2	5: ARCARECCI - LAMELLARE	0	90	706	705
Beam 1135	Beam2	5: ARCARECCI - LAMELLARE	0	90	714	713
Beam 1136	Beam2	5: ARCARECCI - LAMELLARE	0	90	838	837
Beam 1137	Beam2	5: ARCARECCI - LAMELLARE	0	90	846	845
Beam 1138	Beam2	5: ARCARECCI - LAMELLARE	0	90	854	853
Beam 1139	Beam2	5: ARCARECCI - LAMELLARE	0	90	553	551
Beam 1140	Beam2	5: ARCARECCI - LAMELLARE	0	90	561	559
Beam 1141	Beam2	5: ARCARECCI - LAMELLARE	0	90	569	567

Beam 1142	Beam2	5: ARCARECCI - LAMELLARE	0	90	577	575
Beam 1143	Beam2	5: ARCARECCI - LAMELLARE	0	90	585	583
Beam 1144	Beam2	5: ARCARECCI - LAMELLARE	0	90	593	591
Beam 1145	Beam2	5: ARCARECCI - LAMELLARE	0	90	601	599
Beam 1146	Beam2	5: ARCARECCI - LAMELLARE	0	90	609	607
Beam 1147	Beam2	5: ARCARECCI - LAMELLARE	0	90	617	615
Beam 1148	Beam2	5: ARCARECCI - LAMELLARE	0	90	625	623
Beam 1149	Beam2	5: ARCARECCI - LAMELLARE	0	90	633	631
Beam 1150	Beam2	5: ARCARECCI - LAMELLARE	0	90	641	639
Beam 1151	Beam2	5: ARCARECCI - LAMELLARE	0	90	649	647
Beam 1152	Beam2	5: ARCARECCI - LAMELLARE	0	90	657	655
Beam 1153	Beam2	5: ARCARECCI - LAMELLARE	0	90	665	663
Beam 1154	Beam2	5: ARCARECCI - LAMELLARE	0	90	673	671
Beam 1155	Beam2	5: ARCARECCI - LAMELLARE	0	90	681	679
Beam 1156	Beam2	5: ARCARECCI - LAMELLARE	0	90	689	687
Beam 1157	Beam2	5: ARCARECCI - LAMELLARE	0	90	697	695
Beam 1158	Beam2	5: ARCARECCI - LAMELLARE	0	90	705	703
Beam 1159	Beam2	5: ARCARECCI - LAMELLARE	0	90	713	711
Beam 1160	Beam2	5: ARCARECCI - LAMELLARE	0	90	837	835
Beam 1161	Beam2	5: ARCARECCI - LAMELLARE	0	90	845	843
Beam 1162	Beam2	5: ARCARECCI - LAMELLARE	0	90	853	851
Beam 1163	Beam2	5: ARCARECCI - LAMELLARE	0	90	551	549
Beam 1164	Beam2	5: ARCARECCI - LAMELLARE	0	90	559	557
Beam 1165	Beam2	5: ARCARECCI - LAMELLARE	0	90	567	565
Beam 1166	Beam2	5: ARCARECCI - LAMELLARE	0	90	575	573
Beam 1167	Beam2	5: ARCARECCI - LAMELLARE	0	90	583	581
Beam 1168	Beam2	5: ARCARECCI - LAMELLARE	0	90	591	589
Beam 1169	Beam2	5: ARCARECCI - LAMELLARE	0	90	599	597
Beam 1170	Beam2	5: ARCARECCI - LAMELLARE	0	90	607	605
Beam 1171	Beam2	5: ARCARECCI - LAMELLARE	0	90	615	613
Beam 1172	Beam2	5: ARCARECCI - LAMELLARE	0	90	623	621
Beam 1173	Beam2	5: ARCARECCI - LAMELLARE	0	90	631	629
Beam 1174	Beam2	5: ARCARECCI - LAMELLARE	0	90	639	637
Beam 1175	Beam2	5: ARCARECCI - LAMELLARE	0	90	647	645
Beam 1176	Beam2	5: ARCARECCI - LAMELLARE	0	90	655	653
Beam 1177	Beam2	5: ARCARECCI - LAMELLARE	0	90	663	661
Beam 1178	Beam2	5: ARCARECCI - LAMELLARE	0	90	671	669
Beam 1179	Beam2	5: ARCARECCI - LAMELLARE	0	90	679	677
Beam 1180	Beam2	5: ARCARECCI - LAMELLARE	0	90	687	685
Beam 1181	Beam2	5: ARCARECCI - LAMELLARE	0	90	695	693
Beam 1182	Beam2	5: ARCARECCI - LAMELLARE	0	90	703	701
Beam 1183	Beam2	5: ARCARECCI - LAMELLARE	0	90	711	709
Beam 1184	Beam2	5: ARCARECCI - LAMELLARE	0	90	835	833
Beam 1185	Beam2	5: ARCARECCI - LAMELLARE	0	90	843	841
Beam 1186	Beam2	5: ARCARECCI - LAMELLARE	0	90	851	849
Beam 1187	Beam2	5: ARCARECCI - LAMELLARE	0	90	549	548
Beam 1188	Beam2	5: ARCARECCI - LAMELLARE	0	90	557	556
Beam 1189	Beam2	5: ARCARECCI - LAMELLARE	0	90	565	564
Beam 1190	Beam2	5: ARCARECCI - LAMELLARE	0	90	573	572
Beam 1191	Beam2	5: ARCARECCI - LAMELLARE	0	90	581	580

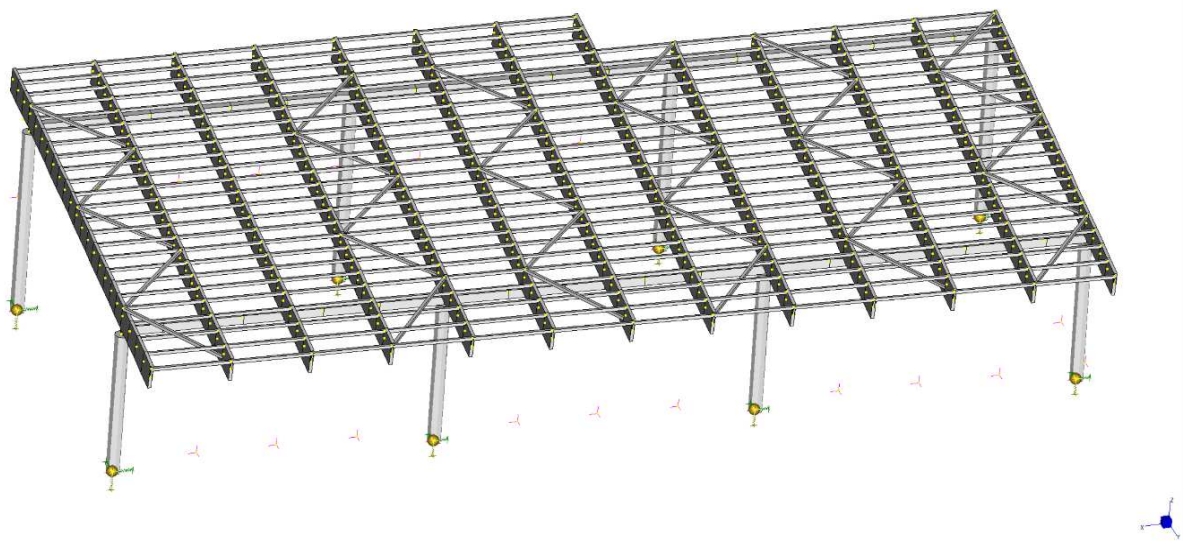
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	589	588
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	597	596
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	605	604
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	613	612
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	621	620
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	629	628
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	637	636
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	645	644
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	653	652
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	661	660
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	669	668
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	677	676
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	685	684
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	693	692
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	701	700
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	709	708
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	833	832
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	841	840
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	849	848
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	548	552
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	556	560
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	564	568
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	572	576
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	580	584
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	588	592
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	596	600
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	604	608
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	612	616
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	620	624
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	628	632
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	636	640
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	644	648
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	652	656
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	660	664
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	668	672
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	676	680
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	684	688
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	692	696
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	700	704
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	708	712
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	832	836
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	840	844
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	848	852
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	552	550
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	560	558
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	568	566
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	576	574
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	584	582
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	592	590
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	600	598

Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	608	606
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	616	614
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	624	622
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	632	630
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	640	638
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	648	646
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	656	654
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	664	662
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	672	670
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	680	678
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	688	686
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	696	694
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	704	702
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	712	710
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	836	834
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	844	842
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	852	850
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	550	547
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	558	555
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	566	563
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	574	571
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	582	579
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	598	595
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	606	603
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	614	611
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	622	619
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	630	627
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	638	635
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	646	643
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	654	651
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	662	659
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	670	667
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	678	675
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	686	683
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	694	691
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	702	699
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	710	707
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	834	831
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	842	839
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	850	847
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	547	114
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	555	119
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	563	124
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	571	129
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	579	134
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	587	139
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	595	144
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	603	149
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	611	154
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	619	159

Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	627	164
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	635	169
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	643	174
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	651	179
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	659	184
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	667	189
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	675	194
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	683	199
Beam 130	Beam2	5: ARCARECCI - LAMELLARE	0	90	691	204
Beam 130	Beam2	5: ARCARECCI - LAMELLARE	0	90	699	209
Beam 130	Beam2	5: ARCARECCI - LAMELLARE	0	90	707	214
Beam 130	Beam2	5: ARCARECCI - LAMELLARE	0	90	114	113
Beam 130	Beam2	5: ARCARECCI - LAMELLARE	0	90	119	118
Beam 130	Beam2	5: ARCARECCI - LAMELLARE	0	90	124	123
Beam 130	Beam2	5: ARCARECCI - LAMELLARE	0	90	129	128
Beam 130	Beam2	5: ARCARECCI - LAMELLARE	0	90	134	133
Beam 130	Beam2	5: ARCARECCI - LAMELLARE	0	90	139	138
Beam 130	Beam2	5: ARCARECCI - LAMELLARE	0	90	144	143
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	149	148
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	154	153
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	159	158
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	164	163
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	169	168
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	174	173
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	179	178
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	184	183
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	189	188
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	194	193
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	199	198
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	204	203
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	209	208
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	214	213
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	113	112
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	118	117
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	123	122
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	128	127
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	133	132
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	138	137
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	143	142
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	148	147
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	153	152
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	158	157
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	163	162
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	168	167
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	173	172
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	178	177
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	183	182
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	188	187
Beam 134	Beam2	5: ARCARECCI - LAMELLARE	0	90	193	192
Beam 134	Beam2	5: ARCARECCI - LAMELLARE	0	90	198	197

Beam 1342	Beam2	5: ARCARECCI - LAMELLARE	0	90	203	202
Beam 1343	Beam2	5: ARCARECCI - LAMELLARE	0	90	208	207
Beam 1344	Beam2	5: ARCARECCI - LAMELLARE	0	90	213	212
Beam 1345	Beam2	5: ARCARECCI - LAMELLARE	0	90	112	111
Beam 1346	Beam2	5: ARCARECCI - LAMELLARE	0	90	117	116
Beam 1347	Beam2	5: ARCARECCI - LAMELLARE	0	90	122	121
Beam 1348	Beam2	5: ARCARECCI - LAMELLARE	0	90	127	126
Beam 1349	Beam2	5: ARCARECCI - LAMELLARE	0	90	132	131
Beam 1350	Beam2	5: ARCARECCI - LAMELLARE	0	90	137	136
Beam 1351	Beam2	5: ARCARECCI - LAMELLARE	0	90	142	141
Beam 1352	Beam2	5: ARCARECCI - LAMELLARE	0	90	147	146
Beam 1353	Beam2	5: ARCARECCI - LAMELLARE	0	90	152	151
Beam 1354	Beam2	5: ARCARECCI - LAMELLARE	0	90	157	156
Beam 1355	Beam2	5: ARCARECCI - LAMELLARE	0	90	162	161
Beam 1356	Beam2	5: ARCARECCI - LAMELLARE	0	90	167	166
Beam 1357	Beam2	5: ARCARECCI - LAMELLARE	0	90	172	171
Beam 1358	Beam2	5: ARCARECCI - LAMELLARE	0	90	177	176
Beam 1359	Beam2	5: ARCARECCI - LAMELLARE	0	90	182	181
Beam 1360	Beam2	5: ARCARECCI - LAMELLARE	0	90	187	186
Beam 1361	Beam2	5: ARCARECCI - LAMELLARE	0	90	192	191
Beam 1362	Beam2	5: ARCARECCI - LAMELLARE	0	90	197	196
Beam 1363	Beam2	5: ARCARECCI - LAMELLARE	0	90	202	201
Beam 1364	Beam2	5: ARCARECCI - LAMELLARE	0	90	207	206
Beam 1365	Beam2	5: ARCARECCI - LAMELLARE	0	90	212	211
Beam 1366	Beam2	5: ARCARECCI - LAMELLARE	0	90	111	110
Beam 1367	Beam2	5: ARCARECCI - LAMELLARE	0	90	116	115
Beam 1368	Beam2	5: ARCARECCI - LAMELLARE	0	90	121	120
Beam 1369	Beam2	5: ARCARECCI - LAMELLARE	0	90	126	125
Beam 1370	Beam2	5: ARCARECCI - LAMELLARE	0	90	131	130
Beam 1371	Beam2	5: ARCARECCI - LAMELLARE	0	90	136	135
Beam 1372	Beam2	5: ARCARECCI - LAMELLARE	0	90	141	140
Beam 1373	Beam2	5: ARCARECCI - LAMELLARE	0	90	146	145
Beam 1374	Beam2	5: ARCARECCI - LAMELLARE	0	90	151	150
Beam 1375	Beam2	5: ARCARECCI - LAMELLARE	0	90	156	155
Beam 1376	Beam2	5: ARCARECCI - LAMELLARE	0	90	161	160
Beam 1377	Beam2	5: ARCARECCI - LAMELLARE	0	90	166	165
Beam 1378	Beam2	5: ARCARECCI - LAMELLARE	0	90	171	170
Beam 1379	Beam2	5: ARCARECCI - LAMELLARE	0	90	176	175
Beam 1380	Beam2	5: ARCARECCI - LAMELLARE	0	90	181	180
Beam 1381	Beam2	5: ARCARECCI - LAMELLARE	0	90	186	185
Beam 1382	Beam2	5: ARCARECCI - LAMELLARE	0	90	191	190
Beam 1383	Beam2	5: ARCARECCI - LAMELLARE	0	90	196	195
Beam 1384	Beam2	5: ARCARECCI - LAMELLARE	0	90	201	200
Beam 1385	Beam2	5: ARCARECCI - LAMELLARE	0	90	206	205
Beam 1386	Beam2	5: ARCARECCI - LAMELLARE	0	90	211	210
Beam 1397	Beam2	5: ARCARECCI - LAMELLARE	0	90	590	587

CORPO LS1



Indice dei nodi di definizione

	X (m)	Y (m)	Z (m)
Node 1	0.00	80.00	-0.50
Node 2	20.00	80.00	-0.50
Node 3	0.00	60.00	-0.50
Node 4	20.00	60.00	-0.50
Node 5	5.00	78.75	10.63
Node 6	5.00	80.00	10.45
Node 7	10.00	78.75	10.63
Node 8	10.00	80.00	10.45
Node 9	15.00	78.75	10.63
Node 10	15.00	80.00	10.45
Node 11	0.00	78.75	10.63
Node 12	0.00	80.00	10.45
Node 13	20.00	78.75	10.63
Node 14	20.00	80.00	10.45
Node 15	5.00	84.50	9.80
Node 16	5.00	86.00	9.58
Node 17	10.00	84.50	9.80
Node 18	10.00	86.00	9.58
Node 19	15.00	84.50	9.80
Node 20	15.00	86.00	9.58
Node 21	0.00	84.50	9.80
Node 22	0.00	86.00	9.58
Node 23	20.00	84.50	9.80
Node 24	20.00	86.00	9.58
Node 25	5.00	68.75	12.08
Node 26	5.00	70.00	11.90
Node 27	10.00	68.75	12.08
Node 28	10.00	70.00	11.90
Node 29	15.00	68.75	12.08
Node 30	15.00	70.00	11.90
Node 31	0.00	68.75	12.08
Node 32	0.00	70.00	11.90
Node 33	20.00	68.75	12.08
Node 34	20.00	70.00	11.90
Node 35	5.00	73.75	11.36
Node 36	5.00	75.00	11.18
Node 37	10.00	73.75	11.36
Node 38	10.00	75.00	11.18
Node 39	15.00	73.75	11.36
Node 40	15.00	75.00	11.18
Node 41	0.00	73.75	11.36
Node 42	0.00	75.00	11.18
Node 43	20.00	73.75	11.36
Node 44	20.00	75.00	11.18

	X (m)	Y (m)	Z (m)
Node 515	35.00	71.25	11.72
Node 516	55.00	71.25	11.72
Node 517	35.00	72.50	11.54
Node 518	55.00	72.50	11.54
Node 519	40.00	71.25	11.72
Node 520	60.00	71.25	11.72
Node 521	40.00	72.50	11.54
Node 522	60.00	72.50	11.54
Node 523	25.00	60.00	13.35
Node 524	45.00	60.00	13.35
Node 525	25.00	61.25	13.17
Node 526	45.00	61.25	13.17
Node 527	25.00	62.50	12.99
Node 528	45.00	62.50	12.99
Node 529	30.00	60.00	13.35
Node 530	50.00	60.00	13.35
Node 531	30.00	61.25	13.17
Node 532	50.00	61.25	13.17
Node 533	30.00	62.50	12.99
Node 534	50.00	62.50	12.99
Node 535	35.00	60.00	13.35
Node 536	55.00	60.00	13.35
Node 537	35.00	61.25	13.17
Node 538	55.00	61.25	13.17
Node 539	35.00	62.50	12.99
Node 540	55.00	62.50	12.99
Node 541	40.00	60.00	13.35
Node 542	60.00	60.00	13.35
Node 543	40.00	61.25	13.17
Node 544	60.00	61.25	13.17
Node 545	40.00	62.50	12.99
Node 546	60.00	62.50	12.99
Node 547	40.00	86.00	10.13
Node 548	25.00	86.00	10.13
Node 549	45.00	86.00	10.13
Node 550	30.00	86.00	10.13
Node 551	50.00	86.00	10.13
Node 552	35.00	86.00	10.13
Node 553	55.00	86.00	10.13
Node 554	60.00	86.00	10.13
Node 555	40.00	70.00	12.45
Node 556	25.00	70.00	12.45
Node 557	45.00	70.00	12.45
Node 558	30.00	70.00	12.45

Node 45	5.00	63.75	12.81
Node 46	5.00	65.00	12.63
Node 47	10.00	63.75	12.81
Node 48	10.00	65.00	12.63
Node 49	15.00	63.75	12.81
Node 50	15.00	65.00	12.63
Node 51	0.00	63.75	12.81
Node 52	0.00	65.00	12.63
Node 53	20.00	63.75	12.81
Node 54	20.00	65.00	12.63
Node 55	5.00	76.25	10.99
Node 56	5.00	77.50	10.81
Node 57	10.00	76.25	10.99
Node 58	10.00	77.50	10.81
Node 59	15.00	76.25	10.99
Node 60	15.00	77.50	10.81
Node 61	0.00	76.25	10.99
Node 62	20.00	76.25	10.99
Node 63	0.00	77.50	10.81
Node 64	20.00	77.50	10.81
Node 65	5.00	81.50	10.23
Node 66	5.00	83.00	10.02
Node 67	10.00	81.50	10.23
Node 68	10.00	83.00	10.02
Node 69	15.00	81.50	10.23
Node 70	15.00	83.00	10.02
Node 71	0.00	81.50	10.23
Node 72	20.00	81.50	10.23
Node 73	0.00	83.00	10.02
Node 74	20.00	83.00	10.02
Node 75	5.00	66.25	12.44
Node 76	5.00	67.50	12.26
Node 77	10.00	66.25	12.44
Node 78	10.00	67.50	12.26
Node 79	15.00	66.25	12.44
Node 80	15.00	67.50	12.26
Node 81	0.00	66.25	12.44
Node 82	20.00	66.25	12.44
Node 83	0.00	67.50	12.26
Node 84	20.00	67.50	12.26
Node 85	5.00	71.25	11.72
Node 86	5.00	72.50	11.54
Node 87	10.00	71.25	11.72
Node 88	10.00	72.50	11.54
Node 89	15.00	71.25	11.72
Node 90	15.00	72.50	11.54
Node 91	0.00	71.25	11.72
Node 92	20.00	71.25	11.72
Node 93	0.00	72.50	11.54
Node 94	20.00	72.50	11.54

Node 559	50.00	70.00	12.45
Node 560	35.00	70.00	12.45
Node 561	55.00	70.00	12.45
Node 562	60.00	70.00	12.45
Node 563	40.00	75.00	11.73
Node 564	25.00	75.00	11.73
Node 565	45.00	75.00	11.73
Node 566	30.00	75.00	11.73
Node 567	50.00	75.00	11.73
Node 568	35.00	75.00	11.73
Node 569	55.00	75.00	11.73
Node 570	60.00	75.00	11.73
Node 571	40.00	65.00	13.18
Node 572	25.00	65.00	13.18
Node 573	45.00	65.00	13.18
Node 574	30.00	65.00	13.18
Node 575	50.00	65.00	13.18
Node 576	35.00	65.00	13.18
Node 577	55.00	65.00	13.18
Node 578	60.00	65.00	13.18
Node 579	40.00	76.25	11.54
Node 580	25.00	76.25	11.54
Node 581	45.00	76.25	11.54
Node 582	30.00	76.25	11.54
Node 583	50.00	76.25	11.54
Node 584	35.00	76.25	11.54
Node 585	55.00	76.25	11.54
Node 586	60.00	76.25	11.54
Node 587	40.00	77.50	11.36
Node 588	25.00	77.50	11.36
Node 589	45.00	77.50	11.36
Node 590	30.00	77.50	11.36
Node 591	50.00	77.50	11.36
Node 592	35.00	77.50	11.36
Node 593	55.00	77.50	11.36
Node 594	60.00	77.50	11.36
Node 595	40.00	78.75	11.18
Node 596	25.00	78.75	11.18
Node 597	45.00	78.75	11.18
Node 598	30.00	78.75	11.18
Node 599	50.00	78.75	11.18
Node 600	35.00	78.75	11.18
Node 601	55.00	78.75	11.18
Node 602	60.00	78.75	11.18
Node 603	40.00	81.50	10.78
Node 604	25.00	81.50	10.78
Node 605	45.00	81.50	10.78
Node 606	30.00	81.50	10.78
Node 607	50.00	81.50	10.78
Node 608	35.00	81.50	10.78

Node 95	5.00	60.00	13.35
Node 96	5.00	61.25	13.17
Node 97	5.00	62.50	12.99
Node 98	10.00	60.00	13.35
Node 99	10.00	61.25	13.17
Node 100	10.00	62.50	12.99
Node 101	15.00	60.00	13.35
Node 102	15.00	61.25	13.17
Node 103	15.00	62.50	12.99
Node 104	0.00	60.00	13.35
Node 105	0.00	61.25	13.17
Node 106	20.00	60.00	13.35
Node 107	20.00	61.25	13.17
Node 108	0.00	62.50	12.99
Node 109	20.00	62.50	12.99
Node 110	0.00	86.00	10.13
Node 111	5.00	86.00	10.13
Node 112	20.00	86.00	10.13
Node 113	10.00	86.00	10.13
Node 114	15.00	86.00	10.13
Node 115	0.00	70.00	12.45
Node 116	5.00	70.00	12.45
Node 117	20.00	70.00	12.45
Node 118	10.00	70.00	12.45
Node 119	15.00	70.00	12.45
Node 120	0.00	75.00	11.73
Node 121	5.00	75.00	11.73
Node 122	20.00	75.00	11.73
Node 123	10.00	75.00	11.73
Node 124	15.00	75.00	11.73
Node 125	0.00	65.00	13.18
Node 126	5.00	65.00	13.18
Node 127	20.00	65.00	13.18
Node 128	10.00	65.00	13.18
Node 129	15.00	65.00	13.18
Node 130	0.00	76.25	11.54
Node 131	5.00	76.25	11.54
Node 132	20.00	76.25	11.54
Node 133	10.00	76.25	11.54
Node 134	15.00	76.25	11.54
Node 135	0.00	77.50	11.36
Node 136	5.00	77.50	11.36
Node 137	20.00	77.50	11.36
Node 138	10.00	77.50	11.36
Node 139	15.00	77.50	11.36
Node 140	0.00	78.75	11.18
Node 141	5.00	78.75	11.18
Node 142	20.00	78.75	11.18
Node 143	10.00	78.75	11.18
Node 144	15.00	78.75	11.18

Node 609	55.00	81.50	10.78
Node 610	60.00	81.50	10.78
Node 611	40.00	83.00	10.57
Node 612	25.00	83.00	10.57
Node 613	45.00	83.00	10.57
Node 614	30.00	83.00	10.57
Node 615	50.00	83.00	10.57
Node 616	35.00	83.00	10.57
Node 617	55.00	83.00	10.57
Node 618	60.00	83.00	10.57
Node 619	40.00	84.50	10.35
Node 620	25.00	84.50	10.35
Node 621	45.00	84.50	10.35
Node 622	30.00	84.50	10.35
Node 623	50.00	84.50	10.35
Node 624	35.00	84.50	10.35
Node 625	55.00	84.50	10.35
Node 626	60.00	84.50	10.35
Node 627	40.00	66.25	12.99
Node 628	25.00	66.25	12.99
Node 629	45.00	66.25	12.99
Node 630	30.00	66.25	12.99
Node 631	50.00	66.25	12.99
Node 632	35.00	66.25	12.99
Node 633	55.00	66.25	12.99
Node 634	60.00	66.25	12.99
Node 635	40.00	67.50	12.81
Node 636	25.00	67.50	12.81
Node 637	45.00	67.50	12.81
Node 638	30.00	67.50	12.81
Node 639	50.00	67.50	12.81
Node 640	35.00	67.50	12.81
Node 641	55.00	67.50	12.81
Node 642	60.00	67.50	12.81
Node 643	40.00	68.75	12.63
Node 644	25.00	68.75	12.63
Node 645	45.00	68.75	12.63
Node 646	30.00	68.75	12.63
Node 647	50.00	68.75	12.63
Node 648	35.00	68.75	12.63
Node 649	55.00	68.75	12.63
Node 650	60.00	68.75	12.63
Node 651	40.00	71.25	12.27
Node 652	25.00	71.25	12.27
Node 653	45.00	71.25	12.27
Node 654	30.00	71.25	12.27
Node 655	50.00	71.25	12.27
Node 656	35.00	71.25	12.27
Node 657	55.00	71.25	12.27
Node 658	60.00	71.25	12.27

Node 145	0.00	81.50	10.78
Node 146	5.00	81.50	10.78
Node 147	20.00	81.50	10.78
Node 148	10.00	81.50	10.78
Node 149	15.00	81.50	10.78
Node 150	0.00	83.00	10.57
Node 151	5.00	83.00	10.57
Node 152	20.00	83.00	10.57
Node 153	10.00	83.00	10.57
Node 154	15.00	83.00	10.57
Node 155	0.00	84.50	10.35
Node 156	5.00	84.50	10.35
Node 157	20.00	84.50	10.35
Node 158	10.00	84.50	10.35
Node 159	15.00	84.50	10.35
Node 160	0.00	66.25	12.99
Node 161	5.00	66.25	12.99
Node 162	20.00	66.25	12.99
Node 163	10.00	66.25	12.99
Node 164	15.00	66.25	12.99
Node 165	0.00	67.50	12.81
Node 166	5.00	67.50	12.81
Node 167	20.00	67.50	12.81
Node 168	10.00	67.50	12.81
Node 169	15.00	67.50	12.81
Node 170	0.00	68.75	12.63
Node 171	5.00	68.75	12.63
Node 172	20.00	68.75	12.63
Node 173	10.00	68.75	12.63
Node 174	15.00	68.75	12.63
Node 175	0.00	71.25	12.27
Node 176	5.00	71.25	12.27
Node 177	20.00	71.25	12.27
Node 178	10.00	71.25	12.27
Node 179	15.00	71.25	12.27
Node 180	0.00	72.50	12.09
Node 181	5.00	72.50	12.09
Node 182	20.00	72.50	12.09
Node 183	10.00	72.50	12.09
Node 184	15.00	72.50	12.09
Node 185	0.00	73.75	11.91
Node 186	5.00	73.75	11.91
Node 187	20.00	73.75	11.91
Node 188	10.00	73.75	11.91
Node 189	15.00	73.75	11.91
Node 190	0.00	61.25	13.72
Node 191	5.00	61.25	13.72
Node 192	20.00	61.25	13.72
Node 193	10.00	61.25	13.72
Node 194	15.00	61.25	13.72

Node 659	40.00	72.50	12.09
Node 660	25.00	72.50	12.09
Node 661	45.00	72.50	12.09
Node 662	30.00	72.50	12.09
Node 663	50.00	72.50	12.09
Node 664	35.00	72.50	12.09
Node 665	55.00	72.50	12.09
Node 666	60.00	72.50	12.09
Node 667	40.00	73.75	11.91
Node 668	25.00	73.75	11.91
Node 669	45.00	73.75	11.91
Node 670	30.00	73.75	11.91
Node 671	50.00	73.75	11.91
Node 672	35.00	73.75	11.91
Node 673	55.00	73.75	11.91
Node 674	60.00	73.75	11.91
Node 675	40.00	61.25	13.72
Node 676	25.00	61.25	13.72
Node 677	45.00	61.25	13.72
Node 678	30.00	61.25	13.72
Node 679	50.00	61.25	13.72
Node 680	35.00	61.25	13.72
Node 681	55.00	61.25	13.72
Node 682	60.00	61.25	13.72
Node 683	40.00	62.50	13.54
Node 684	25.00	62.50	13.54
Node 685	45.00	62.50	13.54
Node 686	30.00	62.50	13.54
Node 687	50.00	62.50	13.54
Node 688	35.00	62.50	13.54
Node 689	55.00	62.50	13.54
Node 690	60.00	62.50	13.54
Node 691	40.00	63.75	13.36
Node 692	25.00	63.75	13.36
Node 693	45.00	63.75	13.36
Node 694	30.00	63.75	13.36
Node 695	50.00	63.75	13.36
Node 696	35.00	63.75	13.36
Node 697	55.00	63.75	13.36
Node 698	60.00	63.75	13.36
Node 699	40.00	60.00	13.90
Node 700	25.00	60.00	13.90
Node 701	45.00	60.00	13.90
Node 702	30.00	60.00	13.90
Node 703	50.00	60.00	13.90
Node 704	35.00	60.00	13.90
Node 705	55.00	60.00	13.90
Node 706	60.00	60.00	13.90
Node 707	40.00	80.00	11.00
Node 708	25.00	80.00	11.00

Node 195	0.00	62.50	13.54
Node 196	5.00	62.50	13.54
Node 197	20.00	62.50	13.54
Node 198	10.00	62.50	13.54
Node 199	15.00	62.50	13.54
Node 200	0.00	63.75	13.36
Node 201	5.00	63.75	13.36
Node 202	20.00	63.75	13.36
Node 203	10.00	63.75	13.36
Node 204	15.00	63.75	13.36
Node 205	0.00	60.00	13.90
Node 206	5.00	60.00	13.90
Node 207	20.00	60.00	13.90
Node 208	10.00	60.00	13.90
Node 209	15.00	60.00	13.90
Node 210	0.00	80.00	11.00
Node 211	5.00	80.00	11.00
Node 212	20.00	80.00	11.00
Node 213	10.00	80.00	11.00
Node 214	15.00	80.00	11.00
Node 215	0.00	60.00	12.40
Node 216	5.00	60.00	12.40
Node 217	20.00	60.00	12.40
Node 218	0.00	80.00	9.50
Node 219	5.00	80.00	9.50
Node 220	20.00	80.00	9.50
Node 221	0.00	60.00	12.10
Node 222	20.00	60.00	12.10
Node 223	0.00	80.00	9.20
Node 224	20.00	80.00	9.20
Node 225	0.00	60.00	12.70
Node 226	20.00	60.00	12.70
Node 227	0.00	80.00	9.80
Node 228	20.00	80.00	9.80
Node 229	5.00	80.00	9.80
Node 230	10.00	80.00	9.80
Node 231	15.00	80.00	9.80
Node 232	5.00	60.00	12.70
Node 233	10.00	60.00	12.70
Node 234	15.00	60.00	12.70
Node 235	15.00	60.00	12.40
Node 236	10.00	60.00	12.40
Node 237	15.00	80.00	9.50
Node 238	10.00	80.00	9.50
Node 259	2.50	60.00	12.40
Node 260	2.50	80.00	9.50
Node 261	16.00	60.00	12.40
Node 262	12.50	60.00	12.40
Node 263	7.50	60.00	12.40
Node 264	16.00	80.00	9.50

Node 709	45.00	80.00	11.00
Node 710	30.00	80.00	11.00
Node 711	50.00	80.00	11.00
Node 712	35.00	80.00	11.00
Node 713	55.00	80.00	11.00
Node 714	60.00	80.00	11.00
Node 715	24.00	60.00	12.40
Node 716	44.00	60.00	12.40
Node 717	25.00	60.00	12.40
Node 718	45.00	60.00	12.40
Node 719	24.00	80.00	9.50
Node 720	44.00	80.00	9.50
Node 721	25.00	80.00	9.50
Node 722	45.00	80.00	9.50
Node 723	40.00	60.00	12.40
Node 724	60.00	60.00	12.40
Node 725	40.00	60.00	12.10
Node 726	60.00	60.00	12.10
Node 727	40.00	80.00	9.50
Node 728	60.00	80.00	9.50
Node 729	40.00	80.00	9.20
Node 730	60.00	80.00	9.20
Node 731	40.00	60.00	12.70
Node 732	60.00	60.00	12.70
Node 733	40.00	80.00	9.80
Node 734	60.00	80.00	9.80
Node 735	25.00	80.00	9.80
Node 736	45.00	80.00	9.80
Node 737	30.00	80.00	9.80
Node 738	50.00	80.00	9.80
Node 739	35.00	80.00	9.80
Node 740	55.00	80.00	9.80
Node 741	25.00	60.00	12.70
Node 742	45.00	60.00	12.70
Node 743	30.00	60.00	12.70
Node 744	50.00	60.00	12.70
Node 745	35.00	60.00	12.70
Node 746	55.00	60.00	12.70
Node 747	35.00	60.00	12.40
Node 748	55.00	60.00	12.40
Node 749	30.00	60.00	12.40
Node 750	50.00	60.00	12.40
Node 751	35.00	80.00	9.50
Node 752	55.00	80.00	9.50
Node 753	30.00	80.00	9.50
Node 754	50.00	80.00	9.50
Node 755	36.00	60.00	12.40
Node 756	57.50	60.00	12.40
Node 757	32.50	60.00	12.40
Node 758	52.50	60.00	12.40

Node 265	12.50	80.00	9.50
Node 266	7.50	80.00	9.50
Node 267	0.00	70.00	11.35
Node 268	0.00	75.00	10.63
Node 269	0.00	65.00	12.08
Node 270	0.00	80.00	11.01
Node 271	0.00	78.75	11.19
Node 272	5.00	78.75	11.19
Node 273	5.00	80.00	11.01
Node 274	0.00	86.00	10.14
Node 275	0.00	84.50	10.36
Node 276	5.00	84.50	10.36
Node 277	5.00	86.00	10.14
Node 278	0.00	70.00	12.46
Node 279	0.00	68.75	12.64
Node 280	5.00	68.75	12.64
Node 281	5.00	70.00	12.46
Node 282	0.00	75.00	11.74
Node 283	0.00	73.75	11.92
Node 284	5.00	73.75	11.92
Node 285	5.00	75.00	11.74
Node 286	0.00	65.00	13.19
Node 287	0.00	63.75	13.37
Node 288	5.00	63.75	13.37
Node 289	5.00	65.00	13.19
Node 290	10.00	78.75	11.19
Node 291	10.00	80.00	11.01
Node 292	15.00	78.75	11.19
Node 293	15.00	80.00	11.01
Node 294	20.00	78.75	11.19
Node 295	20.00	80.00	11.01
Node 296	10.00	84.50	10.36
Node 297	10.00	86.00	10.14
Node 298	15.00	84.50	10.36
Node 299	15.00	86.00	10.14
Node 300	20.00	84.50	10.36
Node 301	20.00	86.00	10.14
Node 302	10.00	68.75	12.64
Node 303	10.00	70.00	12.46
Node 304	15.00	68.75	12.64
Node 305	15.00	70.00	12.46
Node 306	20.00	68.75	12.64
Node 307	20.00	70.00	12.46
Node 308	10.00	73.75	11.92
Node 309	10.00	75.00	11.74
Node 310	15.00	73.75	11.92
Node 311	15.00	75.00	11.74
Node 312	20.00	73.75	11.92
Node 313	20.00	75.00	11.74
Node 314	10.00	63.75	13.37

Node 759	27.50	60.00	12.40
Node 760	47.50	60.00	12.40
Node 761	36.00	80.00	9.50
Node 762	57.50	80.00	9.50
Node 763	32.50	80.00	9.50
Node 764	52.50	80.00	9.50
Node 765	27.50	80.00	9.50
Node 766	47.50	80.00	9.50
Node 783	25.00	78.75	11.19
Node 784	45.00	78.75	11.19
Node 785	25.00	80.00	11.01
Node 786	45.00	80.00	11.01
Node 787	25.00	84.50	10.36
Node 788	45.00	84.50	10.36
Node 789	25.00	86.00	10.14
Node 790	45.00	86.00	10.14
Node 791	25.00	68.75	12.64
Node 792	45.00	68.75	12.64
Node 793	25.00	70.00	12.46
Node 794	45.00	70.00	12.46
Node 795	25.00	73.75	11.92
Node 796	45.00	73.75	11.92
Node 797	25.00	75.00	11.74
Node 798	45.00	75.00	11.74
Node 799	25.00	63.75	13.37
Node 800	45.00	63.75	13.37
Node 801	25.00	65.00	13.19
Node 802	45.00	65.00	13.19
Node 803	30.00	78.75	11.19
Node 804	50.00	78.75	11.19
Node 805	30.00	80.00	11.01
Node 806	50.00	80.00	11.01
Node 807	35.00	78.75	11.19
Node 808	55.00	78.75	11.19
Node 809	35.00	80.00	11.01
Node 810	55.00	80.00	11.01
Node 811	40.00	78.75	11.19
Node 812	60.00	78.75	11.19
Node 813	40.00	80.00	11.01
Node 814	60.00	80.00	11.01
Node 815	30.00	84.50	10.36
Node 816	50.00	84.50	10.36
Node 817	30.00	86.00	10.14
Node 818	50.00	86.00	10.14
Node 819	35.00	84.50	10.36
Node 820	55.00	84.50	10.36
Node 821	35.00	86.00	10.14
Node 822	55.00	86.00	10.14
Node 823	40.00	84.50	10.36
Node 824	60.00	84.50	10.36

Node 315	10.00	65.00	13.19
Node 316	15.00	63.75	13.37
Node 317	15.00	65.00	13.19
Node 318	20.00	63.75	13.37
Node 319	20.00	65.00	13.19
Node 320	0.00	76.25	11.55
Node 321	5.00	76.25	11.55
Node 322	0.00	77.50	11.37
Node 323	5.00	77.50	11.37
Node 324	0.00	81.50	10.79
Node 325	5.00	81.50	10.79
Node 326	0.00	83.00	10.58
Node 327	5.00	83.00	10.58
Node 328	0.00	66.25	13.00
Node 329	5.00	66.25	13.00
Node 330	0.00	67.50	12.82
Node 331	5.00	67.50	12.82
Node 332	0.00	71.25	12.28
Node 333	5.00	71.25	12.28
Node 334	0.00	72.50	12.10
Node 335	5.00	72.50	12.10
Node 336	0.00	61.25	13.73
Node 337	0.00	60.00	13.91
Node 338	5.00	60.00	13.91
Node 339	5.00	61.25	13.73
Node 340	0.00	62.50	13.55
Node 341	5.00	62.50	13.55
Node 342	10.00	76.25	11.55
Node 343	10.00	77.50	11.37
Node 344	15.00	76.25	11.55
Node 345	15.00	77.50	11.37
Node 346	20.00	76.25	11.55
Node 347	20.00	77.50	11.37
Node 348	10.00	81.50	10.79
Node 349	10.00	83.00	10.58
Node 350	15.00	81.50	10.79
Node 351	15.00	83.00	10.58
Node 352	20.00	81.50	10.79
Node 353	20.00	83.00	10.58
Node 354	10.00	66.25	13.00
Node 355	10.00	67.50	12.82
Node 356	15.00	66.25	13.00
Node 357	15.00	67.50	12.82
Node 358	20.00	66.25	13.00
Node 359	20.00	67.50	12.82
Node 360	10.00	71.25	12.28
Node 361	10.00	72.50	12.10
Node 362	15.00	71.25	12.28
Node 363	15.00	72.50	12.10
Node 364	20.00	71.25	12.28

Node 825	40.00	86.00	10.14
Node 826	60.00	86.00	10.14
Node 827	30.00	68.75	12.64
Node 828	50.00	68.75	12.64
Node 829	30.00	70.00	12.46
Node 830	50.00	70.00	12.46
Node 831	35.00	68.75	12.64
Node 832	55.00	68.75	12.64
Node 833	35.00	70.00	12.46
Node 834	55.00	70.00	12.46
Node 835	40.00	68.75	12.64
Node 836	60.00	68.75	12.64
Node 837	40.00	70.00	12.46
Node 838	60.00	70.00	12.46
Node 839	30.00	73.75	11.92
Node 840	50.00	73.75	11.92
Node 841	30.00	75.00	11.74
Node 842	50.00	75.00	11.74
Node 843	35.00	73.75	11.92
Node 844	55.00	73.75	11.92
Node 845	35.00	75.00	11.74
Node 846	55.00	75.00	11.74
Node 847	40.00	73.75	11.92
Node 848	60.00	73.75	11.92
Node 849	40.00	75.00	11.74
Node 850	60.00	75.00	11.74
Node 851	30.00	63.75	13.37
Node 852	50.00	63.75	13.37
Node 853	30.00	65.00	13.19
Node 854	50.00	65.00	13.19
Node 855	35.00	63.75	13.37
Node 856	55.00	63.75	13.37
Node 857	35.00	65.00	13.19
Node 858	55.00	65.00	13.19
Node 859	40.00	63.75	13.37
Node 860	60.00	63.75	13.37
Node 861	40.00	65.00	13.19
Node 862	60.00	65.00	13.19
Node 863	25.00	76.25	11.55
Node 864	45.00	76.25	11.55
Node 865	25.00	77.50	11.37
Node 866	45.00	77.50	11.37
Node 867	25.00	81.50	10.79
Node 868	45.00	81.50	10.79
Node 869	25.00	83.00	10.58
Node 870	45.00	83.00	10.58
Node 871	25.00	66.25	13.00
Node 872	45.00	66.25	13.00
Node 873	25.00	67.50	12.82
Node 874	45.00	67.50	12.82

Node 365	20.00	72.50	12.10
Node 366	10.00	60.00	13.91
Node 367	10.00	61.25	13.73
Node 368	10.00	62.50	13.55
Node 369	15.00	60.00	13.91
Node 370	15.00	61.25	13.73
Node 371	15.00	62.50	13.55
Node 372	20.00	60.00	13.91
Node 373	20.00	61.25	13.73
Node 374	20.00	62.50	13.55
Node 375	40.00	80.00	-0.50
Node 376	60.00	80.00	-0.50
Node 377	40.00	60.00	-0.50
Node 378	60.00	60.00	-0.50
Node 379	25.00	78.75	10.63
Node 380	45.00	78.75	10.63
Node 381	25.00	80.00	10.45
Node 382	45.00	80.00	10.45
Node 383	30.00	78.75	10.63
Node 384	50.00	78.75	10.63
Node 385	30.00	80.00	10.45
Node 386	50.00	80.00	10.45
Node 387	35.00	78.75	10.63
Node 388	55.00	78.75	10.63
Node 389	35.00	80.00	10.45
Node 390	55.00	80.00	10.45
Node 391	40.00	78.75	10.63
Node 392	60.00	78.75	10.63
Node 393	40.00	80.00	10.45
Node 394	60.00	80.00	10.45
Node 395	25.00	84.50	9.80
Node 396	45.00	84.50	9.80
Node 397	25.00	86.00	9.58
Node 398	45.00	86.00	9.58
Node 399	30.00	84.50	9.80
Node 400	50.00	84.50	9.80
Node 401	30.00	86.00	9.58
Node 402	50.00	86.00	9.58
Node 403	35.00	84.50	9.80
Node 404	55.00	84.50	9.80
Node 405	35.00	86.00	9.58
Node 406	55.00	86.00	9.58
Node 407	40.00	84.50	9.80
Node 408	60.00	84.50	9.80
Node 409	40.00	86.00	9.58
Node 410	60.00	86.00	9.58
Node 411	25.00	68.75	12.08
Node 412	45.00	68.75	12.08
Node 413	25.00	70.00	11.90
Node 414	45.00	70.00	11.90

Node 875	25.00	71.25	12.28
Node 876	45.00	71.25	12.28
Node 877	25.00	72.50	12.10
Node 878	45.00	72.50	12.10
Node 879	25.00	60.00	13.91
Node 880	45.00	60.00	13.91
Node 881	25.00	61.25	13.73
Node 882	45.00	61.25	13.73
Node 883	25.00	62.50	13.55
Node 884	45.00	62.50	13.55
Node 885	30.00	76.25	11.55
Node 886	50.00	76.25	11.55
Node 887	30.00	77.50	11.37
Node 888	50.00	77.50	11.37
Node 889	35.00	76.25	11.55
Node 890	55.00	76.25	11.55
Node 891	35.00	77.50	11.37
Node 892	55.00	77.50	11.37
Node 893	40.00	76.25	11.55
Node 894	60.00	76.25	11.55
Node 895	40.00	77.50	11.37
Node 896	60.00	77.50	11.37
Node 897	30.00	81.50	10.79
Node 898	50.00	81.50	10.79
Node 899	30.00	83.00	10.58
Node 900	50.00	83.00	10.58
Node 901	35.00	81.50	10.79
Node 902	55.00	81.50	10.79
Node 903	35.00	83.00	10.58
Node 904	55.00	83.00	10.58
Node 905	40.00	81.50	10.79
Node 906	60.00	81.50	10.79
Node 907	40.00	83.00	10.58
Node 908	60.00	83.00	10.58
Node 909	30.00	66.25	13.00
Node 910	50.00	66.25	13.00
Node 911	30.00	67.50	12.82
Node 912	50.00	67.50	12.82
Node 913	35.00	66.25	13.00
Node 914	55.00	66.25	13.00
Node 915	35.00	67.50	12.82
Node 916	55.00	67.50	12.82
Node 917	40.00	66.25	13.00
Node 918	60.00	66.25	13.00
Node 919	40.00	67.50	12.82
Node 920	60.00	67.50	12.82
Node 921	30.00	71.25	12.28
Node 922	50.00	71.25	12.28
Node 923	30.00	72.50	12.10
Node 924	50.00	72.50	12.10

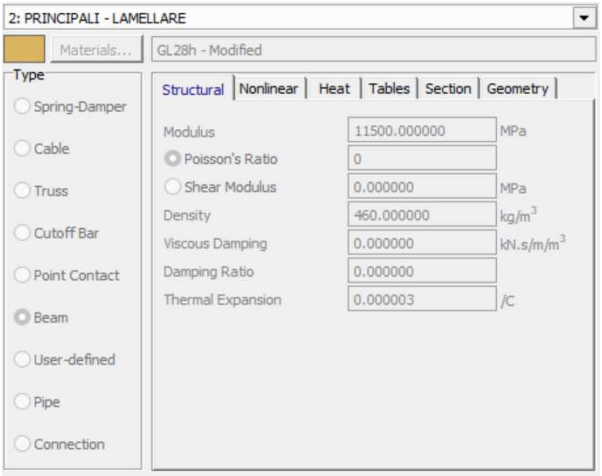
Node 415	30.00	68.75	12.08
Node 416	50.00	68.75	12.08
Node 417	30.00	70.00	11.90
Node 418	50.00	70.00	11.90
Node 419	35.00	68.75	12.08
Node 420	55.00	68.75	12.08
Node 421	35.00	70.00	11.90
Node 422	55.00	70.00	11.90
Node 423	40.00	68.75	12.08
Node 424	60.00	68.75	12.08
Node 425	40.00	70.00	11.90
Node 426	60.00	70.00	11.90
Node 427	25.00	73.75	11.36
Node 428	45.00	73.75	11.36
Node 429	25.00	75.00	11.18
Node 430	45.00	75.00	11.18
Node 431	30.00	73.75	11.36
Node 432	50.00	73.75	11.36
Node 433	30.00	75.00	11.18
Node 434	50.00	75.00	11.18
Node 435	35.00	73.75	11.36
Node 436	55.00	73.75	11.36
Node 437	35.00	75.00	11.18
Node 438	55.00	75.00	11.18
Node 439	40.00	73.75	11.36
Node 440	60.00	73.75	11.36
Node 441	40.00	75.00	11.18
Node 442	60.00	75.00	11.18
Node 443	25.00	63.75	12.81
Node 444	45.00	63.75	12.81
Node 445	25.00	65.00	12.63
Node 446	45.00	65.00	12.63
Node 447	30.00	63.75	12.81
Node 448	50.00	63.75	12.81
Node 449	30.00	65.00	12.63
Node 450	50.00	65.00	12.63
Node 451	35.00	63.75	12.81
Node 452	55.00	63.75	12.81
Node 453	35.00	65.00	12.63
Node 454	55.00	65.00	12.63
Node 455	40.00	63.75	12.81
Node 456	60.00	63.75	12.81
Node 457	40.00	65.00	12.63
Node 458	60.00	65.00	12.63
Node 459	25.00	76.25	10.99
Node 460	45.00	76.25	10.99
Node 461	25.00	77.50	10.81
Node 462	45.00	77.50	10.81
Node 463	30.00	76.25	10.99
Node 464	50.00	76.25	10.99

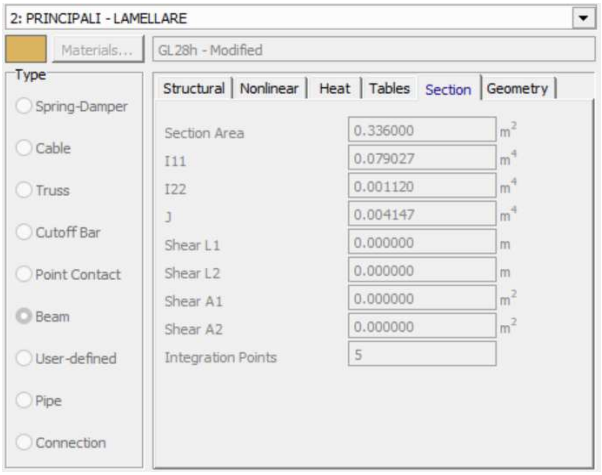
Node 925	35.00	71.25	12.28
Node 926	55.00	71.25	12.28
Node 927	35.00	72.50	12.10
Node 928	55.00	72.50	12.10
Node 929	40.00	71.25	12.28
Node 930	60.00	71.25	12.28
Node 931	40.00	72.50	12.10
Node 932	60.00	72.50	12.10
Node 933	30.00	60.00	13.91
Node 934	50.00	60.00	13.91
Node 935	30.00	61.25	13.73
Node 936	50.00	61.25	13.73
Node 937	30.00	62.50	13.55
Node 938	50.00	62.50	13.55
Node 939	35.00	60.00	13.91
Node 940	55.00	60.00	13.91
Node 941	35.00	61.25	13.73
Node 942	55.00	61.25	13.73
Node 943	35.00	62.50	13.55
Node 944	55.00	62.50	13.55
Node 945	40.00	60.00	13.91
Node 946	60.00	60.00	13.91
Node 947	40.00	61.25	13.73
Node 948	60.00	61.25	13.73
Node 949	40.00	62.50	13.55
Node 950	60.00	62.50	13.55
Node 967	25.00	56.25	13.65
Node 968	25.00	57.50	13.55
Node 969	45.00	56.25	13.65
Node 970	45.00	57.50	13.55
Node 971	25.00	58.75	13.45
Node 972	45.00	58.75	13.45
Node 973	30.00	56.25	13.65
Node 974	30.00	57.50	13.55
Node 975	50.00	56.25	13.65
Node 976	50.00	57.50	13.55
Node 977	30.00	58.75	13.45
Node 978	50.00	58.75	13.45
Node 979	35.00	56.25	13.65
Node 980	35.00	57.50	13.55
Node 981	55.00	56.25	13.65
Node 982	55.00	57.50	13.55
Node 983	35.00	58.75	13.45
Node 984	55.00	58.75	13.45
Node 985	40.00	56.25	13.65
Node 986	40.00	57.50	13.55
Node 987	60.00	56.25	13.65
Node 988	60.00	57.50	13.55
Node 989	40.00	58.75	13.45
Node 990	60.00	58.75	13.45

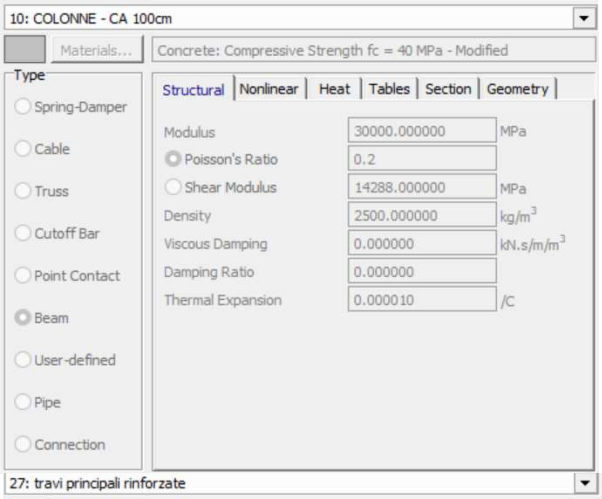
Node 465	30.00	77.50	10.81
Node 466	50.00	77.50	10.81
Node 467	35.00	76.25	10.99
Node 468	55.00	76.25	10.99
Node 469	35.00	77.50	10.81
Node 470	55.00	77.50	10.81
Node 471	40.00	76.25	10.99
Node 472	60.00	76.25	10.99
Node 473	40.00	77.50	10.81
Node 474	60.00	77.50	10.81
Node 475	25.00	81.50	10.23
Node 476	45.00	81.50	10.23
Node 477	25.00	83.00	10.02
Node 478	45.00	83.00	10.02
Node 479	30.00	81.50	10.23
Node 480	50.00	81.50	10.23
Node 481	30.00	83.00	10.02
Node 482	50.00	83.00	10.02
Node 483	35.00	81.50	10.23
Node 484	55.00	81.50	10.23
Node 485	35.00	83.00	10.02
Node 486	55.00	83.00	10.02
Node 487	40.00	81.50	10.23
Node 488	60.00	81.50	10.23
Node 489	40.00	83.00	10.02
Node 490	60.00	83.00	10.02
Node 491	25.00	66.25	12.44
Node 492	45.00	66.25	12.44
Node 493	25.00	67.50	12.26
Node 494	45.00	67.50	12.26
Node 495	30.00	66.25	12.44
Node 496	50.00	66.25	12.44
Node 497	30.00	67.50	12.26
Node 498	50.00	67.50	12.26
Node 499	35.00	66.25	12.44
Node 500	55.00	66.25	12.44
Node 501	35.00	67.50	12.26
Node 502	55.00	67.50	12.26
Node 503	40.00	66.25	12.44
Node 504	60.00	66.25	12.44
Node 505	40.00	67.50	12.26
Node 506	60.00	67.50	12.26
Node 507	25.00	71.25	11.72
Node 508	45.00	71.25	11.72
Node 509	25.00	72.50	11.54
Node 510	45.00	72.50	11.54
Node 511	30.00	71.25	11.72
Node 512	50.00	71.25	11.72
Node 513	30.00	72.50	11.54
Node 514	50.00	72.50	11.54

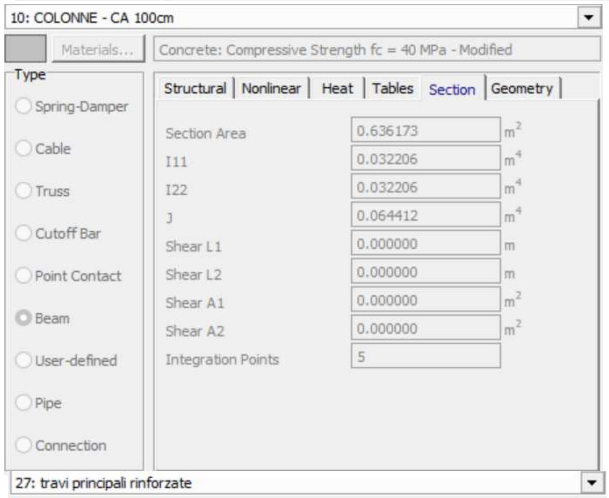
Node 991	25.00	57.50	14.10
Node 992	40.00	57.50	14.10
Node 993	45.00	57.50	14.10
Node 994	30.00	57.50	14.10
Node 995	50.00	57.50	14.10
Node 996	35.00	57.50	14.10
Node 997	55.00	57.50	14.10
Node 998	60.00	57.50	14.10
Node 999	25.00	58.75	14.00
Node 1000	40.00	58.75	14.00
Node 1001	45.00	58.75	14.00
Node 1002	30.00	58.75	14.00
Node 1003	50.00	58.75	14.00
Node 1004	35.00	58.75	14.00
Node 1005	55.00	58.75	14.00
Node 1006	60.00	58.75	14.00
Node 1007	25.00	56.25	14.20
Node 1008	40.00	56.25	14.20
Node 1009	45.00	56.25	14.20
Node 1010	30.00	56.25	14.20
Node 1011	50.00	56.25	14.20
Node 1012	35.00	56.25	14.20
Node 1013	55.00	56.25	14.20
Node 1014	60.00	56.25	14.20
Node 1015	25.00	56.25	14.21
Node 1016	25.00	57.50	14.11
Node 1017	40.00	57.50	14.11
Node 1018	40.00	56.25	14.21
Node 1019	45.00	56.25	14.21
Node 1020	45.00	57.50	14.11
Node 1021	25.00	58.75	14.01
Node 1022	40.00	58.75	14.01
Node 1023	45.00	58.75	14.01
Node 1024	30.00	56.25	14.21
Node 1025	30.00	57.50	14.11
Node 1026	50.00	56.25	14.21
Node 1027	50.00	57.50	14.11
Node 1028	30.00	58.75	14.01
Node 1029	50.00	58.75	14.01
Node 1030	35.00	56.25	14.21
Node 1031	35.00	57.50	14.11
Node 1032	55.00	56.25	14.21
Node 1033	55.00	57.50	14.11
Node 1034	35.00	58.75	14.01
Node 1035	55.00	58.75	14.01
Node 1036	60.00	56.25	14.21
Node 1037	60.00	57.50	14.11
Node 1038	60.00	58.75	14.01
Node 1039	20.10	60.00	13.91
Node 1040	20.10	60.00	13.90

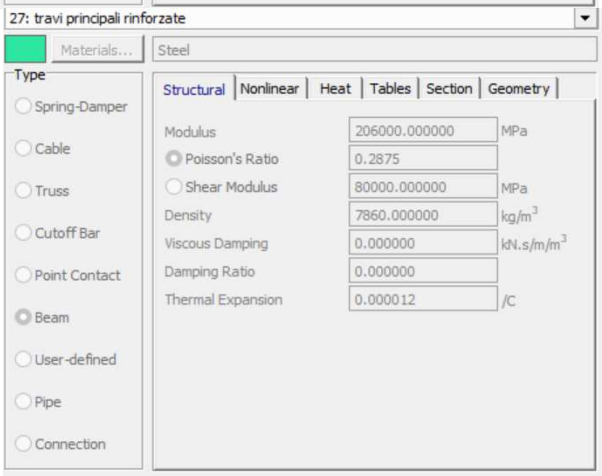
Proprietà delle sezioni utilizzate

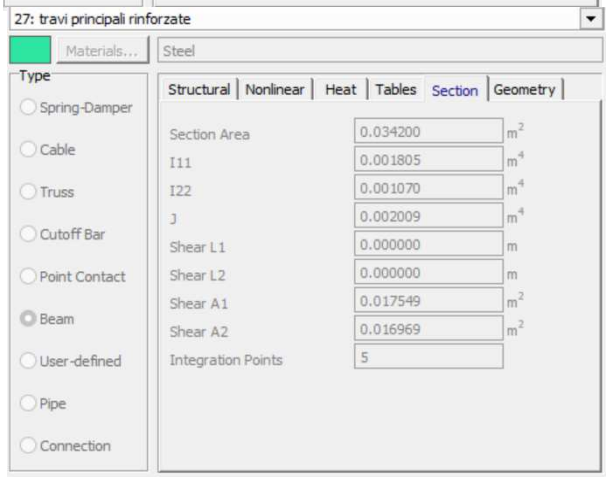












3: PRINCIPALI - ACCIAIO

Materials... | Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	206000.000000	MPa
Poisson's Ratio	0.2875	
Shear Modulus	80000.000000	MPa
Density	7860.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000012	/C

3: PRINCIPALI - ACCIAIO

Materials... | Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.026700	m^2
I11	0.001410	m^4
I22	0.000861	m^4
J	0.001606	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.013246	m^2
Shear A2	0.013651	m^2
Integration Points	5	

5: ARCARECCI - LAMELLARE

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

5: ARCARECCI - LAMELLARE

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032000	m^2
I11	0.000107	m^4
I22	0.000068	m^4
J	0.000145	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.000000	m^2
Shear A2	0.000000	m^2
Integration Points	5	

8: CONTROVENTI

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Include Torsional Stiffness		
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

8: CONTROVENTI

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032400	m^2
J	0.000148	m^4
Integration Points	5	

Definizione delle aste

	Type	Property	ID	Angle	N1	N2
				(deg)		
Beam 1	Beam2	2: PRINCIPALI - LAMELLARE	0	90	5	6
Beam 2	Beam2	2: PRINCIPALI - LAMELLARE	0	90	7	8
Beam 3	Beam2	2: PRINCIPALI - LAMELLARE	0	90	9	10
Beam 4	Beam2	2: PRINCIPALI - LAMELLARE	0	90	11	12
Beam 5	Beam2	2: PRINCIPALI - LAMELLARE	0	90	13	14
Beam 6	Beam2	2: PRINCIPALI - LAMELLARE	0	90	15	16
Beam 7	Beam2	2: PRINCIPALI - LAMELLARE	0	90	17	18
Beam 8	Beam2	2: PRINCIPALI - LAMELLARE	0	90	19	20
Beam 9	Beam2	2: PRINCIPALI - LAMELLARE	0	90	21	22
Beam 10	Beam2	2: PRINCIPALI - LAMELLARE	0	90	23	24
Beam 11	Beam2	2: PRINCIPALI - LAMELLARE	0	90	25	26
Beam 12	Beam2	2: PRINCIPALI - LAMELLARE	0	90	27	28
Beam 13	Beam2	2: PRINCIPALI - LAMELLARE	0	90	29	30
Beam 14	Beam2	2: PRINCIPALI - LAMELLARE	0	90	31	32
Beam 15	Beam2	2: PRINCIPALI - LAMELLARE	0	90	33	34
Beam 16	Beam2	2: PRINCIPALI - LAMELLARE	0	90	35	36
Beam 17	Beam2	2: PRINCIPALI - LAMELLARE	0	90	37	38
Beam 18	Beam2	2: PRINCIPALI - LAMELLARE	0	90	39	40
Beam 19	Beam2	2: PRINCIPALI - LAMELLARE	0	90	41	42
Beam 20	Beam2	2: PRINCIPALI - LAMELLARE	0	90	43	44
Beam 21	Beam2	2: PRINCIPALI - LAMELLARE	0	90	45	46
Beam 22	Beam2	2: PRINCIPALI - LAMELLARE	0	90	47	48
Beam 23	Beam2	2: PRINCIPALI - LAMELLARE	0	90	49	50
Beam 24	Beam2	2: PRINCIPALI - LAMELLARE	0	90	51	52
Beam 25	Beam2	2: PRINCIPALI - LAMELLARE	0	90	53	54
Beam 26	Beam2	2: PRINCIPALI - LAMELLARE	0	90	36	55
Beam 27	Beam2	2: PRINCIPALI - LAMELLARE	0	90	55	56
Beam 28	Beam2	2: PRINCIPALI - LAMELLARE	0	90	56	5
Beam 29	Beam2	2: PRINCIPALI - LAMELLARE	0	90	38	57
Beam 30	Beam2	2: PRINCIPALI - LAMELLARE	0	90	57	58
Beam 31	Beam2	2: PRINCIPALI - LAMELLARE	0	90	58	7
Beam 32	Beam2	2: PRINCIPALI - LAMELLARE	0	90	40	59
Beam 33	Beam2	2: PRINCIPALI - LAMELLARE	0	90	59	60
Beam 34	Beam2	2: PRINCIPALI - LAMELLARE	0	90	60	9
Beam 35	Beam2	2: PRINCIPALI - LAMELLARE	0	90	42	61
Beam 36	Beam2	2: PRINCIPALI - LAMELLARE	0	90	44	62
Beam 37	Beam2	2: PRINCIPALI - LAMELLARE	0	90	61	63
Beam 38	Beam2	2: PRINCIPALI - LAMELLARE	0	90	62	64
Beam 39	Beam2	2: PRINCIPALI - LAMELLARE	0	90	63	11
Beam 40	Beam2	2: PRINCIPALI - LAMELLARE	0	90	64	13
Beam 41	Beam2	2: PRINCIPALI - LAMELLARE	0	90	6	65
Beam 42	Beam2	2: PRINCIPALI - LAMELLARE	0	90	65	66
Beam 43	Beam2	2: PRINCIPALI - LAMELLARE	0	90	66	15
Beam 44	Beam2	2: PRINCIPALI - LAMELLARE	0	90	8	67

Beam 45	Beam2	2: PRINCIPALI - LAMELLARE	0	90	67	68
Beam 46	Beam2	2: PRINCIPALI - LAMELLARE	0	90	68	17
Beam 47	Beam2	2: PRINCIPALI - LAMELLARE	0	90	10	69
Beam 48	Beam2	2: PRINCIPALI - LAMELLARE	0	90	69	70
Beam 49	Beam2	2: PRINCIPALI - LAMELLARE	0	90	70	19
Beam 50	Beam2	2: PRINCIPALI - LAMELLARE	0	90	12	71
Beam 51	Beam2	2: PRINCIPALI - LAMELLARE	0	90	14	72
Beam 52	Beam2	2: PRINCIPALI - LAMELLARE	0	90	71	73
Beam 53	Beam2	2: PRINCIPALI - LAMELLARE	0	90	72	74
Beam 54	Beam2	2: PRINCIPALI - LAMELLARE	0	90	73	21
Beam 55	Beam2	2: PRINCIPALI - LAMELLARE	0	90	74	23
Beam 56	Beam2	2: PRINCIPALI - LAMELLARE	0	90	46	75
Beam 57	Beam2	2: PRINCIPALI - LAMELLARE	0	90	75	76
Beam 58	Beam2	2: PRINCIPALI - LAMELLARE	0	90	76	25
Beam 59	Beam2	2: PRINCIPALI - LAMELLARE	0	90	48	77
Beam 60	Beam2	2: PRINCIPALI - LAMELLARE	0	90	77	78
Beam 61	Beam2	2: PRINCIPALI - LAMELLARE	0	90	78	27
Beam 62	Beam2	2: PRINCIPALI - LAMELLARE	0	90	50	79
Beam 63	Beam2	2: PRINCIPALI - LAMELLARE	0	90	79	80
Beam 64	Beam2	2: PRINCIPALI - LAMELLARE	0	90	80	29
Beam 65	Beam2	2: PRINCIPALI - LAMELLARE	0	90	52	81
Beam 66	Beam2	2: PRINCIPALI - LAMELLARE	0	90	54	82
Beam 67	Beam2	2: PRINCIPALI - LAMELLARE	0	90	81	83
Beam 68	Beam2	2: PRINCIPALI - LAMELLARE	0	90	82	84
Beam 69	Beam2	2: PRINCIPALI - LAMELLARE	0	90	83	31
Beam 70	Beam2	2: PRINCIPALI - LAMELLARE	0	90	84	33
Beam 71	Beam2	2: PRINCIPALI - LAMELLARE	0	90	26	85
Beam 72	Beam2	2: PRINCIPALI - LAMELLARE	0	90	85	86
Beam 73	Beam2	2: PRINCIPALI - LAMELLARE	0	90	86	35
Beam 74	Beam2	2: PRINCIPALI - LAMELLARE	0	90	28	87
Beam 75	Beam2	2: PRINCIPALI - LAMELLARE	0	90	87	88
Beam 76	Beam2	2: PRINCIPALI - LAMELLARE	0	90	88	37
Beam 77	Beam2	2: PRINCIPALI - LAMELLARE	0	90	30	89
Beam 78	Beam2	2: PRINCIPALI - LAMELLARE	0	90	89	90
Beam 79	Beam2	2: PRINCIPALI - LAMELLARE	0	90	90	39
Beam 80	Beam2	2: PRINCIPALI - LAMELLARE	0	90	32	91
Beam 81	Beam2	2: PRINCIPALI - LAMELLARE	0	90	34	92
Beam 82	Beam2	2: PRINCIPALI - LAMELLARE	0	90	91	93
Beam 83	Beam2	2: PRINCIPALI - LAMELLARE	0	90	92	94
Beam 84	Beam2	2: PRINCIPALI - LAMELLARE	0	90	93	41
Beam 85	Beam2	2: PRINCIPALI - LAMELLARE	0	90	94	43
Beam 86	Beam2	2: PRINCIPALI - LAMELLARE	0	90	95	96
Beam 87	Beam2	2: PRINCIPALI - LAMELLARE	0	90	96	97
Beam 88	Beam2	2: PRINCIPALI - LAMELLARE	0	90	97	45
Beam 89	Beam2	2: PRINCIPALI - LAMELLARE	0	90	98	99
Beam 90	Beam2	2: PRINCIPALI - LAMELLARE	0	90	99	100
Beam 91	Beam2	2: PRINCIPALI - LAMELLARE	0	90	100	47
Beam 92	Beam2	2: PRINCIPALI - LAMELLARE	0	90	101	102
Beam 93	Beam2	2: PRINCIPALI - LAMELLARE	0	90	102	103
Beam 94	Beam2	2: PRINCIPALI - LAMELLARE	0	90	103	49

Beam 95	Beam2	2: PRINCIPALI - LAMELLARE	0	90	104	105
Beam 96	Beam2	2: PRINCIPALI - LAMELLARE	0	90	106	107
Beam 97	Beam2	2: PRINCIPALI - LAMELLARE	0	90	105	108
Beam 98	Beam2	2: PRINCIPALI - LAMELLARE	0	90	107	109
Beam 99	Beam2	2: PRINCIPALI - LAMELLARE	0	90	108	51
Beam 100	Beam2	2: PRINCIPALI - LAMELLARE	0	90	109	53
Beam 101	Beam2	5: ARCARECCI - LAMELLARE	0	90	110	111
Beam 102	Beam2	5: ARCARECCI - LAMELLARE	0	90	111	113
Beam 103	Beam2	5: ARCARECCI - LAMELLARE	0	90	113	114
Beam 104	Beam2	5: ARCARECCI - LAMELLARE	0	90	114	112
Beam 105	Beam2	5: ARCARECCI - LAMELLARE	0	90	115	116
Beam 106	Beam2	5: ARCARECCI - LAMELLARE	0	90	116	118
Beam 107	Beam2	5: ARCARECCI - LAMELLARE	0	90	118	119
Beam 108	Beam2	5: ARCARECCI - LAMELLARE	0	90	119	117
Beam 109	Beam2	5: ARCARECCI - LAMELLARE	0	90	120	121
Beam 110	Beam2	5: ARCARECCI - LAMELLARE	0	90	121	123
Beam 111	Beam2	5: ARCARECCI - LAMELLARE	0	90	123	124
Beam 112	Beam2	5: ARCARECCI - LAMELLARE	0	90	124	122
Beam 113	Beam2	5: ARCARECCI - LAMELLARE	0	90	125	126
Beam 114	Beam2	5: ARCARECCI - LAMELLARE	0	90	126	128
Beam 115	Beam2	5: ARCARECCI - LAMELLARE	0	90	128	129
Beam 116	Beam2	5: ARCARECCI - LAMELLARE	0	90	129	127
Beam 117	Beam2	5: ARCARECCI - LAMELLARE	0	90	130	131
Beam 118	Beam2	5: ARCARECCI - LAMELLARE	0	90	131	133
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	133	134
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	134	132
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	135	136
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	136	138
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	138	139
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	139	137
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	140	141
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	141	143
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	143	144
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	144	142
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	145	146
Beam 130	Beam2	5: ARCARECCI - LAMELLARE	0	90	146	148
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	148	149
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	149	147
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	150	151
Beam 134	Beam2	5: ARCARECCI - LAMELLARE	0	90	151	153
Beam 135	Beam2	5: ARCARECCI - LAMELLARE	0	90	153	154
Beam 136	Beam2	5: ARCARECCI - LAMELLARE	0	90	154	152
Beam 137	Beam2	5: ARCARECCI - LAMELLARE	0	90	155	156
Beam 138	Beam2	5: ARCARECCI - LAMELLARE	0	90	156	158
Beam 139	Beam2	5: ARCARECCI - LAMELLARE	0	90	158	159
Beam 140	Beam2	5: ARCARECCI - LAMELLARE	0	90	159	157
Beam 141	Beam2	5: ARCARECCI - LAMELLARE	0	90	160	161
Beam 142	Beam2	5: ARCARECCI - LAMELLARE	0	90	161	163
Beam 143	Beam2	5: ARCARECCI - LAMELLARE	0	90	163	164
Beam 144	Beam2	5: ARCARECCI - LAMELLARE	0	90	164	162

Beam 145	Beam2	5: ARCARECCI - LAMELLARE	0	90	165	166
Beam 146	Beam2	5: ARCARECCI - LAMELLARE	0	90	166	168
Beam 147	Beam2	5: ARCARECCI - LAMELLARE	0	90	168	169
Beam 148	Beam2	5: ARCARECCI - LAMELLARE	0	90	169	167
Beam 149	Beam2	5: ARCARECCI - LAMELLARE	0	90	170	171
Beam 150	Beam2	5: ARCARECCI - LAMELLARE	0	90	171	173
Beam 151	Beam2	5: ARCARECCI - LAMELLARE	0	90	173	174
Beam 152	Beam2	5: ARCARECCI - LAMELLARE	0	90	174	172
Beam 153	Beam2	5: ARCARECCI - LAMELLARE	0	90	175	176
Beam 154	Beam2	5: ARCARECCI - LAMELLARE	0	90	176	178
Beam 155	Beam2	5: ARCARECCI - LAMELLARE	0	90	178	179
Beam 156	Beam2	5: ARCARECCI - LAMELLARE	0	90	179	177
Beam 157	Beam2	5: ARCARECCI - LAMELLARE	0	90	180	181
Beam 158	Beam2	5: ARCARECCI - LAMELLARE	0	90	181	183
Beam 159	Beam2	5: ARCARECCI - LAMELLARE	0	90	183	184
Beam 160	Beam2	5: ARCARECCI - LAMELLARE	0	90	184	182
Beam 161	Beam2	5: ARCARECCI - LAMELLARE	0	90	185	186
Beam 162	Beam2	5: ARCARECCI - LAMELLARE	0	90	186	188
Beam 163	Beam2	5: ARCARECCI - LAMELLARE	0	90	188	189
Beam 164	Beam2	5: ARCARECCI - LAMELLARE	0	90	189	187
Beam 165	Beam2	5: ARCARECCI - LAMELLARE	0	90	190	191
Beam 166	Beam2	5: ARCARECCI - LAMELLARE	0	90	191	193
Beam 167	Beam2	5: ARCARECCI - LAMELLARE	0	90	193	194
Beam 168	Beam2	5: ARCARECCI - LAMELLARE	0	90	194	192
Beam 169	Beam2	5: ARCARECCI - LAMELLARE	0	90	195	196
Beam 170	Beam2	5: ARCARECCI - LAMELLARE	0	90	196	198
Beam 171	Beam2	5: ARCARECCI - LAMELLARE	0	90	198	199
Beam 172	Beam2	5: ARCARECCI - LAMELLARE	0	90	199	197
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	200	201
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	201	203
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	203	204
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	204	202
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	205	206
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	206	208
Beam 179	Beam2	5: ARCARECCI - LAMELLARE	0	90	208	209
Beam 180	Beam2	5: ARCARECCI - LAMELLARE	0	90	209	207
Beam 181	Beam2	5: ARCARECCI - LAMELLARE	0	90	210	211
Beam 182	Beam2	5: ARCARECCI - LAMELLARE	0	90	211	213
Beam 183	Beam2	5: ARCARECCI - LAMELLARE	0	90	213	214
Beam 184	Beam2	5: ARCARECCI - LAMELLARE	0	90	214	212
Beam 185	Beam2	3: PRINCIPALI - ACCIAIO	0	90	259	216
Beam 186	Beam2	3: PRINCIPALI - ACCIAIO	0	90	260	219
Beam 187	Beam2	4: FICT 1	0	0	5	141
Beam 188	Beam2	4: FICT 1	0	0	6	211
Beam 189	Beam2	4: FICT 1	0	0	7	143
Beam 190	Beam2	4: FICT 1	0	0	8	213
Beam 191	Beam2	4: FICT 1	0	0	9	144
Beam 192	Beam2	4: FICT 1	0	0	10	214
Beam 193	Beam2	4: FICT 1	0	0	11	140
Beam 194	Beam2	4: FICT 1	0	0	13	142

Beam 195	Beam2	4: FICT 1	0	0	12	210
Beam 196	Beam2	4: FICT 1	0	0	14	212
Beam 197	Beam2	4: FICT 1	0	0	15	156
Beam 198	Beam2	4: FICT 1	0	0	16	111
Beam 199	Beam2	4: FICT 1	0	0	17	158
Beam 200	Beam2	4: FICT 1	0	0	18	113
Beam 201	Beam2	4: FICT 1	0	0	19	159
Beam 202	Beam2	4: FICT 1	0	0	20	114
Beam 203	Beam2	4: FICT 1	0	0	21	155
Beam 204	Beam2	4: FICT 1	0	0	23	157
Beam 205	Beam2	4: FICT 1	0	0	22	110
Beam 206	Beam2	4: FICT 1	0	0	24	112
Beam 207	Beam2	4: FICT 1	0	0	25	171
Beam 208	Beam2	4: FICT 1	0	0	26	116
Beam 209	Beam2	4: FICT 1	0	0	27	173
Beam 210	Beam2	4: FICT 1	0	0	28	118
Beam 211	Beam2	4: FICT 1	0	0	29	174
Beam 212	Beam2	4: FICT 1	0	0	30	119
Beam 213	Beam2	4: FICT 1	0	0	31	170
Beam 214	Beam2	4: FICT 1	0	0	33	172
Beam 215	Beam2	4: FICT 1	0	0	32	115
Beam 216	Beam2	4: FICT 1	0	0	34	117
Beam 217	Beam2	4: FICT 1	0	0	35	186
Beam 218	Beam2	4: FICT 1	0	0	36	121
Beam 219	Beam2	4: FICT 1	0	0	37	188
Beam 220	Beam2	4: FICT 1	0	0	38	123
Beam 221	Beam2	4: FICT 1	0	0	39	189
Beam 222	Beam2	4: FICT 1	0	0	40	124
Beam 223	Beam2	4: FICT 1	0	0	41	185
Beam 224	Beam2	4: FICT 1	0	0	43	187
Beam 225	Beam2	4: FICT 1	0	0	42	120
Beam 226	Beam2	4: FICT 1	0	0	44	122
Beam 227	Beam2	4: FICT 1	0	0	45	201
Beam 228	Beam2	4: FICT 1	0	0	46	126
Beam 229	Beam2	4: FICT 1	0	0	47	203
Beam 230	Beam2	4: FICT 1	0	0	48	128
Beam 231	Beam2	4: FICT 1	0	0	49	204
Beam 232	Beam2	4: FICT 1	0	0	50	129
Beam 233	Beam2	4: FICT 1	0	0	51	200
Beam 234	Beam2	4: FICT 1	0	0	53	202
Beam 235	Beam2	4: FICT 1	0	0	52	125
Beam 236	Beam2	4: FICT 1	0	0	54	127
Beam 237	Beam2	4: FICT 1	0	0	55	131
Beam 238	Beam2	4: FICT 1	0	0	56	136
Beam 239	Beam2	4: FICT 1	0	0	57	133
Beam 240	Beam2	4: FICT 1	0	0	58	138
Beam 241	Beam2	4: FICT 1	0	0	59	134
Beam 242	Beam2	4: FICT 1	0	0	60	139
Beam 243	Beam2	4: FICT 1	0	0	61	130
Beam 244	Beam2	4: FICT 1	0	0	62	132

Beam 245	Beam2	4: FICT 1	0	0	63	135
Beam 246	Beam2	4: FICT 1	0	0	64	137
Beam 247	Beam2	4: FICT 1	0	0	65	146
Beam 248	Beam2	4: FICT 1	0	0	66	151
Beam 249	Beam2	4: FICT 1	0	0	67	148
Beam 250	Beam2	4: FICT 1	0	0	68	153
Beam 251	Beam2	4: FICT 1	0	0	69	149
Beam 252	Beam2	4: FICT 1	0	0	70	154
Beam 253	Beam2	4: FICT 1	0	0	71	145
Beam 254	Beam2	4: FICT 1	0	0	72	147
Beam 255	Beam2	4: FICT 1	0	0	73	150
Beam 256	Beam2	4: FICT 1	0	0	74	152
Beam 257	Beam2	4: FICT 1	0	0	75	161
Beam 258	Beam2	4: FICT 1	0	0	76	166
Beam 259	Beam2	4: FICT 1	0	0	77	163
Beam 260	Beam2	4: FICT 1	0	0	78	168
Beam 261	Beam2	4: FICT 1	0	0	79	164
Beam 262	Beam2	4: FICT 1	0	0	80	169
Beam 263	Beam2	4: FICT 1	0	0	81	160
Beam 264	Beam2	4: FICT 1	0	0	82	162
Beam 265	Beam2	4: FICT 1	0	0	83	165
Beam 266	Beam2	4: FICT 1	0	0	84	167
Beam 267	Beam2	4: FICT 1	0	0	85	176
Beam 268	Beam2	4: FICT 1	0	0	86	181
Beam 269	Beam2	4: FICT 1	0	0	87	178
Beam 270	Beam2	4: FICT 1	0	0	88	183
Beam 271	Beam2	4: FICT 1	0	0	89	179
Beam 272	Beam2	4: FICT 1	0	0	90	184
Beam 273	Beam2	4: FICT 1	0	0	91	175
Beam 274	Beam2	4: FICT 1	0	0	92	177
Beam 275	Beam2	4: FICT 1	0	0	93	180
Beam 276	Beam2	4: FICT 1	0	0	94	182
Beam 277	Beam2	4: FICT 1	0	0	95	206
Beam 278	Beam2	4: FICT 1	0	0	96	191
Beam 279	Beam2	4: FICT 1	0	0	97	196
Beam 280	Beam2	4: FICT 1	0	0	98	208
Beam 281	Beam2	4: FICT 1	0	0	99	193
Beam 282	Beam2	4: FICT 1	0	0	100	198
Beam 283	Beam2	4: FICT 1	0	0	101	209
Beam 284	Beam2	4: FICT 1	0	0	102	194
Beam 285	Beam2	4: FICT 1	0	0	103	199
Beam 286	Beam2	4: FICT 1	0	0	104	205
Beam 287	Beam2	4: FICT 1	0	0	106	207
Beam 288	Beam2	4: FICT 1	0	0	105	190
Beam 289	Beam2	4: FICT 1	0	0	107	192
Beam 290	Beam2	4: FICT 1	0	0	108	195
Beam 291	Beam2	4: FICT 1	0	0	109	197
Beam 292	Beam2	6: FICT 2	0	0	215	221
Beam 293	Beam2	6: FICT 2	0	0	217	222
Beam 294	Beam2	6: FICT 2	0	0	218	223

Beam 295	Beam2	6: FICT 2	0	0	220	224
Beam 296	Beam2	6: FICT 2	0	0	215	225
Beam 297	Beam2	6: FICT 2	0	0	217	226
Beam 298	Beam2	6: FICT 2	0	0	218	227
Beam 299	Beam2	6: FICT 2	0	0	220	228
Beam 300	Beam2	4: FICT 1	0	0	6	229
Beam 301	Beam2	4: FICT 1	0	0	8	230
Beam 302	Beam2	4: FICT 1	0	0	10	231
Beam 303	Beam2	4: FICT 1	0	0	12	227
Beam 304	Beam2	4: FICT 1	0	0	14	228
Beam 305	Beam2	4: FICT 1	0	0	95	232
Beam 306	Beam2	4: FICT 1	0	0	98	233
Beam 307	Beam2	4: FICT 1	0	0	101	234
Beam 308	Beam2	4: FICT 1	0	0	104	225
Beam 309	Beam2	4: FICT 1	0	0	106	226
Beam 310	Beam2	6: FICT 2	0	0	235	234
Beam 311	Beam2	6: FICT 2	0	0	236	233
Beam 312	Beam2	6: FICT 2	0	0	216	232
Beam 313	Beam2	6: FICT 2	0	0	237	231
Beam 314	Beam2	6: FICT 2	0	0	238	230
Beam 315	Beam2	6: FICT 2	0	0	219	229
Beam 316	Beam2	27: principali rinforzate	0	90	261	217
Beam 317	Beam2	3: PRINCIPALI - ACCIAIO	0	90	262	235
Beam 318	Beam2	3: PRINCIPALI - ACCIAIO	0	90	263	236
Beam 319	Beam2	27: principali rinforzate	0	90	264	220
Beam 320	Beam2	3: PRINCIPALI - ACCIAIO	0	90	265	237
Beam 321	Beam2	3: PRINCIPALI - ACCIAIO	0	90	266	238
Beam 322	Beam2	8: CONTROVENTI	0	0	210	121
Beam 323	Beam2	8: CONTROVENTI	0	0	121	115
Beam 324	Beam2	8: CONTROVENTI	0	0	115	126
Beam 325	Beam2	8: CONTROVENTI	0	0	126	205
Beam 326	Beam2	8: CONTROVENTI	0	0	210	111
Beam 327	Beam2	8: CONTROVENTI	0	0	214	123
Beam 328	Beam2	8: CONTROVENTI	0	0	123	119
Beam 329	Beam2	8: CONTROVENTI	0	0	119	128
Beam 330	Beam2	8: CONTROVENTI	0	0	128	209
Beam 331	Beam2	8: CONTROVENTI	0	0	214	113
Beam 366	Beam2	3: PRINCIPALI - ACCIAIO	0	90	215	259
Beam 367	Beam2	3: PRINCIPALI - ACCIAIO	0	90	218	260
Beam 368	Beam2	3: PRINCIPALI - ACCIAIO	0	90	235	261
Beam 369	Beam2	3: PRINCIPALI - ACCIAIO	0	90	236	262
Beam 370	Beam2	3: PRINCIPALI - ACCIAIO	0	90	216	263
Beam 371	Beam2	3: PRINCIPALI - ACCIAIO	0	90	237	264
Beam 372	Beam2	3: PRINCIPALI - ACCIAIO	0	90	238	265
Beam 373	Beam2	3: PRINCIPALI - ACCIAIO	0	90	219	266
Beam 374	Beam2	4: FICT 1	0	0	267	32
Beam 375	Beam2	4: FICT 1	0	0	268	42
Beam 376	Beam2	4: FICT 1	0	0	269	52
Beam 377	Beam2	21: FICT 3	0	0	270	210
Beam 378	Beam2	21: FICT 3	0	0	271	140

Beam 379	Beam2	21: FICT 3	0	0	272	141
Beam 380	Beam2	21: FICT 3	0	0	273	211
Beam 381	Beam2	21: FICT 3	0	0	274	110
Beam 382	Beam2	21: FICT 3	0	0	275	155
Beam 383	Beam2	21: FICT 3	0	0	276	156
Beam 384	Beam2	21: FICT 3	0	0	277	111
Beam 385	Beam2	21: FICT 3	0	0	278	115
Beam 386	Beam2	21: FICT 3	0	0	279	170
Beam 387	Beam2	21: FICT 3	0	0	280	171
Beam 388	Beam2	21: FICT 3	0	0	281	116
Beam 389	Beam2	21: FICT 3	0	0	282	120
Beam 390	Beam2	21: FICT 3	0	0	283	185
Beam 391	Beam2	21: FICT 3	0	0	284	186
Beam 392	Beam2	21: FICT 3	0	0	285	121
Beam 393	Beam2	21: FICT 3	0	0	286	125
Beam 394	Beam2	21: FICT 3	0	0	287	200
Beam 395	Beam2	21: FICT 3	0	0	288	201
Beam 396	Beam2	21: FICT 3	0	0	289	126
Beam 397	Beam2	21: FICT 3	0	0	290	143
Beam 398	Beam2	21: FICT 3	0	0	291	213
Beam 399	Beam2	21: FICT 3	0	0	292	144
Beam 400	Beam2	21: FICT 3	0	0	293	214
Beam 401	Beam2	21: FICT 3	0	0	294	142
Beam 402	Beam2	21: FICT 3	0	0	295	212
Beam 403	Beam2	21: FICT 3	0	0	296	158
Beam 404	Beam2	21: FICT 3	0	0	297	113
Beam 405	Beam2	21: FICT 3	0	0	298	159
Beam 406	Beam2	21: FICT 3	0	0	299	114
Beam 407	Beam2	21: FICT 3	0	0	300	157
Beam 408	Beam2	21: FICT 3	0	0	301	112
Beam 409	Beam2	21: FICT 3	0	0	302	173
Beam 410	Beam2	21: FICT 3	0	0	303	118
Beam 411	Beam2	21: FICT 3	0	0	304	174
Beam 412	Beam2	21: FICT 3	0	0	305	119
Beam 413	Beam2	21: FICT 3	0	0	306	172
Beam 414	Beam2	21: FICT 3	0	0	307	117
Beam 415	Beam2	21: FICT 3	0	0	308	188
Beam 416	Beam2	21: FICT 3	0	0	309	123
Beam 417	Beam2	21: FICT 3	0	0	310	189
Beam 418	Beam2	21: FICT 3	0	0	311	124
Beam 419	Beam2	21: FICT 3	0	0	312	187
Beam 420	Beam2	21: FICT 3	0	0	313	122
Beam 421	Beam2	21: FICT 3	0	0	314	203
Beam 422	Beam2	21: FICT 3	0	0	315	128
Beam 423	Beam2	21: FICT 3	0	0	316	204
Beam 424	Beam2	21: FICT 3	0	0	317	129
Beam 425	Beam2	21: FICT 3	0	0	318	202
Beam 426	Beam2	21: FICT 3	0	0	319	127
Beam 427	Beam2	21: FICT 3	0	0	320	130
Beam 428	Beam2	21: FICT 3	0	0	321	131

Beam 429	Beam2	21: FICT 3	0	0	322	135
Beam 430	Beam2	21: FICT 3	0	0	323	136
Beam 431	Beam2	21: FICT 3	0	0	324	145
Beam 432	Beam2	21: FICT 3	0	0	325	146
Beam 433	Beam2	21: FICT 3	0	0	326	150
Beam 434	Beam2	21: FICT 3	0	0	327	151
Beam 435	Beam2	21: FICT 3	0	0	328	160
Beam 436	Beam2	21: FICT 3	0	0	329	161
Beam 437	Beam2	21: FICT 3	0	0	330	165
Beam 438	Beam2	21: FICT 3	0	0	331	166
Beam 439	Beam2	21: FICT 3	0	0	332	175
Beam 440	Beam2	21: FICT 3	0	0	333	176
Beam 441	Beam2	21: FICT 3	0	0	334	180
Beam 442	Beam2	21: FICT 3	0	0	335	181
Beam 443	Beam2	21: FICT 3	0	0	336	190
Beam 444	Beam2	21: FICT 3	0	0	337	205
Beam 445	Beam2	21: FICT 3	0	0	338	206
Beam 446	Beam2	21: FICT 3	0	0	339	191
Beam 447	Beam2	21: FICT 3	0	0	340	195
Beam 448	Beam2	21: FICT 3	0	0	341	196
Beam 449	Beam2	21: FICT 3	0	0	342	133
Beam 450	Beam2	21: FICT 3	0	0	343	138
Beam 451	Beam2	21: FICT 3	0	0	344	134
Beam 452	Beam2	21: FICT 3	0	0	345	139
Beam 453	Beam2	21: FICT 3	0	0	346	132
Beam 454	Beam2	21: FICT 3	0	0	347	137
Beam 455	Beam2	21: FICT 3	0	0	348	148
Beam 456	Beam2	21: FICT 3	0	0	349	153
Beam 457	Beam2	21: FICT 3	0	0	350	149
Beam 458	Beam2	21: FICT 3	0	0	351	154
Beam 459	Beam2	21: FICT 3	0	0	352	147
Beam 460	Beam2	21: FICT 3	0	0	353	152
Beam 461	Beam2	21: FICT 3	0	0	354	163
Beam 462	Beam2	21: FICT 3	0	0	355	168
Beam 463	Beam2	21: FICT 3	0	0	356	164
Beam 464	Beam2	21: FICT 3	0	0	357	169
Beam 465	Beam2	21: FICT 3	0	0	358	162
Beam 466	Beam2	21: FICT 3	0	0	359	167
Beam 467	Beam2	21: FICT 3	0	0	360	178
Beam 468	Beam2	21: FICT 3	0	0	361	183
Beam 469	Beam2	21: FICT 3	0	0	362	179
Beam 470	Beam2	21: FICT 3	0	0	363	184
Beam 471	Beam2	21: FICT 3	0	0	364	177
Beam 472	Beam2	21: FICT 3	0	0	365	182
Beam 473	Beam2	21: FICT 3	0	0	366	208
Beam 474	Beam2	21: FICT 3	0	0	367	193
Beam 475	Beam2	21: FICT 3	0	0	368	198
Beam 476	Beam2	21: FICT 3	0	0	369	209
Beam 477	Beam2	21: FICT 3	0	0	370	194
Beam 478	Beam2	21: FICT 3	0	0	371	199

Beam 479	Beam2	21: FICT 3	0	0	372	207
Beam 480	Beam2	21: FICT 3	0	0	373	192
Beam 481	Beam2	21: FICT 3	0	0	374	197
Beam 482	Beam2	2: PRINCIPALI - LAMELLARE	0	90	379	381
Beam 483	Beam2	2: PRINCIPALI - LAMELLARE	0	90	380	382
Beam 484	Beam2	2: PRINCIPALI - LAMELLARE	0	90	383	385
Beam 485	Beam2	2: PRINCIPALI - LAMELLARE	0	90	384	386
Beam 486	Beam2	2: PRINCIPALI - LAMELLARE	0	90	387	389
Beam 487	Beam2	2: PRINCIPALI - LAMELLARE	0	90	388	390
Beam 488	Beam2	2: PRINCIPALI - LAMELLARE	0	90	391	393
Beam 489	Beam2	2: PRINCIPALI - LAMELLARE	0	90	392	394
Beam 490	Beam2	2: PRINCIPALI - LAMELLARE	0	90	395	397
Beam 491	Beam2	2: PRINCIPALI - LAMELLARE	0	90	396	398
Beam 492	Beam2	2: PRINCIPALI - LAMELLARE	0	90	399	401
Beam 493	Beam2	2: PRINCIPALI - LAMELLARE	0	90	400	402
Beam 494	Beam2	2: PRINCIPALI - LAMELLARE	0	90	403	405
Beam 495	Beam2	2: PRINCIPALI - LAMELLARE	0	90	404	406
Beam 496	Beam2	2: PRINCIPALI - LAMELLARE	0	90	407	409
Beam 497	Beam2	2: PRINCIPALI - LAMELLARE	0	90	408	410
Beam 498	Beam2	2: PRINCIPALI - LAMELLARE	0	90	411	413
Beam 499	Beam2	2: PRINCIPALI - LAMELLARE	0	90	412	414
Beam 500	Beam2	2: PRINCIPALI - LAMELLARE	0	90	415	417
Beam 501	Beam2	2: PRINCIPALI - LAMELLARE	0	90	416	418
Beam 502	Beam2	2: PRINCIPALI - LAMELLARE	0	90	419	421
Beam 503	Beam2	2: PRINCIPALI - LAMELLARE	0	90	420	422
Beam 504	Beam2	2: PRINCIPALI - LAMELLARE	0	90	423	425
Beam 505	Beam2	2: PRINCIPALI - LAMELLARE	0	90	424	426
Beam 506	Beam2	2: PRINCIPALI - LAMELLARE	0	90	427	429
Beam 507	Beam2	2: PRINCIPALI - LAMELLARE	0	90	428	430
Beam 508	Beam2	2: PRINCIPALI - LAMELLARE	0	90	431	433
Beam 509	Beam2	2: PRINCIPALI - LAMELLARE	0	90	432	434
Beam 510	Beam2	2: PRINCIPALI - LAMELLARE	0	90	435	437
Beam 511	Beam2	2: PRINCIPALI - LAMELLARE	0	90	436	438
Beam 512	Beam2	2: PRINCIPALI - LAMELLARE	0	90	439	441
Beam 513	Beam2	2: PRINCIPALI - LAMELLARE	0	90	440	442
Beam 514	Beam2	2: PRINCIPALI - LAMELLARE	0	90	443	445
Beam 515	Beam2	2: PRINCIPALI - LAMELLARE	0	90	444	446
Beam 516	Beam2	2: PRINCIPALI - LAMELLARE	0	90	447	449
Beam 517	Beam2	2: PRINCIPALI - LAMELLARE	0	90	448	450
Beam 518	Beam2	2: PRINCIPALI - LAMELLARE	0	90	451	453
Beam 519	Beam2	2: PRINCIPALI - LAMELLARE	0	90	452	454
Beam 520	Beam2	2: PRINCIPALI - LAMELLARE	0	90	455	457
Beam 521	Beam2	2: PRINCIPALI - LAMELLARE	0	90	456	458
Beam 522	Beam2	2: PRINCIPALI - LAMELLARE	0	90	429	459
Beam 523	Beam2	2: PRINCIPALI - LAMELLARE	0	90	430	460
Beam 524	Beam2	2: PRINCIPALI - LAMELLARE	0	90	459	461
Beam 525	Beam2	2: PRINCIPALI - LAMELLARE	0	90	460	462
Beam 526	Beam2	2: PRINCIPALI - LAMELLARE	0	90	461	379
Beam 527	Beam2	2: PRINCIPALI - LAMELLARE	0	90	462	380
Beam 528	Beam2	2: PRINCIPALI - LAMELLARE	0	90	433	463

Beam 529	Beam2	2: PRINCIPALI - LAMELLARE	0	90	434	464
Beam 530	Beam2	2: PRINCIPALI - LAMELLARE	0	90	463	465
Beam 531	Beam2	2: PRINCIPALI - LAMELLARE	0	90	464	466
Beam 532	Beam2	2: PRINCIPALI - LAMELLARE	0	90	465	383
Beam 533	Beam2	2: PRINCIPALI - LAMELLARE	0	90	466	384
Beam 534	Beam2	2: PRINCIPALI - LAMELLARE	0	90	437	467
Beam 535	Beam2	2: PRINCIPALI - LAMELLARE	0	90	438	468
Beam 536	Beam2	2: PRINCIPALI - LAMELLARE	0	90	467	469
Beam 537	Beam2	2: PRINCIPALI - LAMELLARE	0	90	468	470
Beam 538	Beam2	2: PRINCIPALI - LAMELLARE	0	90	469	387
Beam 539	Beam2	2: PRINCIPALI - LAMELLARE	0	90	470	388
Beam 540	Beam2	2: PRINCIPALI - LAMELLARE	0	90	441	471
Beam 541	Beam2	2: PRINCIPALI - LAMELLARE	0	90	442	472
Beam 542	Beam2	2: PRINCIPALI - LAMELLARE	0	90	471	473
Beam 543	Beam2	2: PRINCIPALI - LAMELLARE	0	90	472	474
Beam 544	Beam2	2: PRINCIPALI - LAMELLARE	0	90	473	391
Beam 545	Beam2	2: PRINCIPALI - LAMELLARE	0	90	474	392
Beam 546	Beam2	2: PRINCIPALI - LAMELLARE	0	90	381	475
Beam 547	Beam2	2: PRINCIPALI - LAMELLARE	0	90	382	476
Beam 548	Beam2	2: PRINCIPALI - LAMELLARE	0	90	475	477
Beam 549	Beam2	2: PRINCIPALI - LAMELLARE	0	90	476	478
Beam 550	Beam2	2: PRINCIPALI - LAMELLARE	0	90	477	395
Beam 551	Beam2	2: PRINCIPALI - LAMELLARE	0	90	478	396
Beam 552	Beam2	2: PRINCIPALI - LAMELLARE	0	90	385	479
Beam 553	Beam2	2: PRINCIPALI - LAMELLARE	0	90	386	480
Beam 554	Beam2	2: PRINCIPALI - LAMELLARE	0	90	479	481
Beam 555	Beam2	2: PRINCIPALI - LAMELLARE	0	90	480	482
Beam 556	Beam2	2: PRINCIPALI - LAMELLARE	0	90	481	399
Beam 557	Beam2	2: PRINCIPALI - LAMELLARE	0	90	482	400
Beam 558	Beam2	2: PRINCIPALI - LAMELLARE	0	90	389	483
Beam 559	Beam2	2: PRINCIPALI - LAMELLARE	0	90	390	484
Beam 560	Beam2	2: PRINCIPALI - LAMELLARE	0	90	483	485
Beam 561	Beam2	2: PRINCIPALI - LAMELLARE	0	90	484	486
Beam 562	Beam2	2: PRINCIPALI - LAMELLARE	0	90	485	403
Beam 563	Beam2	2: PRINCIPALI - LAMELLARE	0	90	486	404
Beam 564	Beam2	2: PRINCIPALI - LAMELLARE	0	90	393	487
Beam 565	Beam2	2: PRINCIPALI - LAMELLARE	0	90	394	488
Beam 566	Beam2	2: PRINCIPALI - LAMELLARE	0	90	487	489
Beam 567	Beam2	2: PRINCIPALI - LAMELLARE	0	90	488	490
Beam 568	Beam2	2: PRINCIPALI - LAMELLARE	0	90	489	407
Beam 569	Beam2	2: PRINCIPALI - LAMELLARE	0	90	490	408
Beam 570	Beam2	2: PRINCIPALI - LAMELLARE	0	90	445	491
Beam 571	Beam2	2: PRINCIPALI - LAMELLARE	0	90	446	492
Beam 572	Beam2	2: PRINCIPALI - LAMELLARE	0	90	491	493
Beam 573	Beam2	2: PRINCIPALI - LAMELLARE	0	90	492	494
Beam 574	Beam2	2: PRINCIPALI - LAMELLARE	0	90	493	411
Beam 575	Beam2	2: PRINCIPALI - LAMELLARE	0	90	494	412
Beam 576	Beam2	2: PRINCIPALI - LAMELLARE	0	90	449	495
Beam 577	Beam2	2: PRINCIPALI - LAMELLARE	0	90	450	496
Beam 578	Beam2	2: PRINCIPALI - LAMELLARE	0	90	495	497

Beam 579	Beam2	2: PRINCIPALI - LAMELLARE	0	90	496	498
Beam 580	Beam2	2: PRINCIPALI - LAMELLARE	0	90	497	415
Beam 581	Beam2	2: PRINCIPALI - LAMELLARE	0	90	498	416
Beam 582	Beam2	2: PRINCIPALI - LAMELLARE	0	90	453	499
Beam 583	Beam2	2: PRINCIPALI - LAMELLARE	0	90	454	500
Beam 584	Beam2	2: PRINCIPALI - LAMELLARE	0	90	499	501
Beam 585	Beam2	2: PRINCIPALI - LAMELLARE	0	90	500	502
Beam 586	Beam2	2: PRINCIPALI - LAMELLARE	0	90	501	419
Beam 587	Beam2	2: PRINCIPALI - LAMELLARE	0	90	502	420
Beam 588	Beam2	2: PRINCIPALI - LAMELLARE	0	90	457	503
Beam 589	Beam2	2: PRINCIPALI - LAMELLARE	0	90	458	504
Beam 590	Beam2	2: PRINCIPALI - LAMELLARE	0	90	503	505
Beam 591	Beam2	2: PRINCIPALI - LAMELLARE	0	90	504	506
Beam 592	Beam2	2: PRINCIPALI - LAMELLARE	0	90	505	423
Beam 593	Beam2	2: PRINCIPALI - LAMELLARE	0	90	506	424
Beam 594	Beam2	2: PRINCIPALI - LAMELLARE	0	90	413	507
Beam 595	Beam2	2: PRINCIPALI - LAMELLARE	0	90	414	508
Beam 596	Beam2	2: PRINCIPALI - LAMELLARE	0	90	507	509
Beam 597	Beam2	2: PRINCIPALI - LAMELLARE	0	90	508	510
Beam 598	Beam2	2: PRINCIPALI - LAMELLARE	0	90	509	427
Beam 599	Beam2	2: PRINCIPALI - LAMELLARE	0	90	510	428
Beam 600	Beam2	2: PRINCIPALI - LAMELLARE	0	90	417	511
Beam 601	Beam2	2: PRINCIPALI - LAMELLARE	0	90	418	512
Beam 602	Beam2	2: PRINCIPALI - LAMELLARE	0	90	511	513
Beam 603	Beam2	2: PRINCIPALI - LAMELLARE	0	90	512	514
Beam 604	Beam2	2: PRINCIPALI - LAMELLARE	0	90	513	431
Beam 605	Beam2	2: PRINCIPALI - LAMELLARE	0	90	514	432
Beam 606	Beam2	2: PRINCIPALI - LAMELLARE	0	90	421	515
Beam 607	Beam2	2: PRINCIPALI - LAMELLARE	0	90	422	516
Beam 608	Beam2	2: PRINCIPALI - LAMELLARE	0	90	515	517
Beam 609	Beam2	2: PRINCIPALI - LAMELLARE	0	90	516	518
Beam 610	Beam2	2: PRINCIPALI - LAMELLARE	0	90	517	435
Beam 611	Beam2	2: PRINCIPALI - LAMELLARE	0	90	518	436
Beam 612	Beam2	2: PRINCIPALI - LAMELLARE	0	90	425	519
Beam 613	Beam2	2: PRINCIPALI - LAMELLARE	0	90	426	520
Beam 614	Beam2	2: PRINCIPALI - LAMELLARE	0	90	519	521
Beam 615	Beam2	2: PRINCIPALI - LAMELLARE	0	90	520	522
Beam 616	Beam2	2: PRINCIPALI - LAMELLARE	0	90	521	439
Beam 617	Beam2	2: PRINCIPALI - LAMELLARE	0	90	522	440
Beam 618	Beam2	2: PRINCIPALI - LAMELLARE	0	90	523	525
Beam 619	Beam2	2: PRINCIPALI - LAMELLARE	0	90	524	526
Beam 620	Beam2	2: PRINCIPALI - LAMELLARE	0	90	525	527
Beam 621	Beam2	2: PRINCIPALI - LAMELLARE	0	90	526	528
Beam 622	Beam2	2: PRINCIPALI - LAMELLARE	0	90	527	443
Beam 623	Beam2	2: PRINCIPALI - LAMELLARE	0	90	528	444
Beam 624	Beam2	2: PRINCIPALI - LAMELLARE	0	90	529	531
Beam 625	Beam2	2: PRINCIPALI - LAMELLARE	0	90	530	532
Beam 626	Beam2	2: PRINCIPALI - LAMELLARE	0	90	531	533
Beam 627	Beam2	2: PRINCIPALI - LAMELLARE	0	90	532	534
Beam 628	Beam2	2: PRINCIPALI - LAMELLARE	0	90	533	447

Beam 629	Beam2	2: PRINCIPALI - LAMELLARE	0	90	534	448
Beam 630	Beam2	2: PRINCIPALI - LAMELLARE	0	90	535	537
Beam 631	Beam2	2: PRINCIPALI - LAMELLARE	0	90	536	538
Beam 632	Beam2	2: PRINCIPALI - LAMELLARE	0	90	537	539
Beam 633	Beam2	2: PRINCIPALI - LAMELLARE	0	90	538	540
Beam 634	Beam2	2: PRINCIPALI - LAMELLARE	0	90	539	451
Beam 635	Beam2	2: PRINCIPALI - LAMELLARE	0	90	540	452
Beam 636	Beam2	2: PRINCIPALI - LAMELLARE	0	90	541	543
Beam 637	Beam2	2: PRINCIPALI - LAMELLARE	0	90	542	544
Beam 638	Beam2	2: PRINCIPALI - LAMELLARE	0	90	543	545
Beam 639	Beam2	2: PRINCIPALI - LAMELLARE	0	90	544	546
Beam 640	Beam2	2: PRINCIPALI - LAMELLARE	0	90	545	455
Beam 641	Beam2	2: PRINCIPALI - LAMELLARE	0	90	546	456
Beam 642	Beam2	5: ARCARECCI - LAMELLARE	0	90	112	548
Beam 643	Beam2	5: ARCARECCI - LAMELLARE	0	90	547	549
Beam 644	Beam2	5: ARCARECCI - LAMELLARE	0	90	548	550
Beam 645	Beam2	5: ARCARECCI - LAMELLARE	0	90	549	551
Beam 646	Beam2	5: ARCARECCI - LAMELLARE	0	90	550	552
Beam 647	Beam2	5: ARCARECCI - LAMELLARE	0	90	551	553
Beam 648	Beam2	5: ARCARECCI - LAMELLARE	0	90	552	547
Beam 649	Beam2	5: ARCARECCI - LAMELLARE	0	90	553	554
Beam 650	Beam2	5: ARCARECCI - LAMELLARE	0	90	117	556
Beam 651	Beam2	5: ARCARECCI - LAMELLARE	0	90	555	557
Beam 652	Beam2	5: ARCARECCI - LAMELLARE	0	90	556	558
Beam 653	Beam2	5: ARCARECCI - LAMELLARE	0	90	557	559
Beam 654	Beam2	5: ARCARECCI - LAMELLARE	0	90	558	560
Beam 655	Beam2	5: ARCARECCI - LAMELLARE	0	90	559	561
Beam 656	Beam2	5: ARCARECCI - LAMELLARE	0	90	560	555
Beam 657	Beam2	5: ARCARECCI - LAMELLARE	0	90	561	562
Beam 658	Beam2	5: ARCARECCI - LAMELLARE	0	90	122	564
Beam 659	Beam2	5: ARCARECCI - LAMELLARE	0	90	563	565
Beam 660	Beam2	5: ARCARECCI - LAMELLARE	0	90	564	566
Beam 661	Beam2	5: ARCARECCI - LAMELLARE	0	90	565	567
Beam 662	Beam2	5: ARCARECCI - LAMELLARE	0	90	566	568
Beam 663	Beam2	5: ARCARECCI - LAMELLARE	0	90	567	569
Beam 664	Beam2	5: ARCARECCI - LAMELLARE	0	90	568	563
Beam 665	Beam2	5: ARCARECCI - LAMELLARE	0	90	569	570
Beam 666	Beam2	5: ARCARECCI - LAMELLARE	0	90	127	572
Beam 667	Beam2	5: ARCARECCI - LAMELLARE	0	90	571	573
Beam 668	Beam2	5: ARCARECCI - LAMELLARE	0	90	572	574
Beam 669	Beam2	5: ARCARECCI - LAMELLARE	0	90	573	575
Beam 670	Beam2	5: ARCARECCI - LAMELLARE	0	90	574	576
Beam 671	Beam2	5: ARCARECCI - LAMELLARE	0	90	575	577
Beam 672	Beam2	5: ARCARECCI - LAMELLARE	0	90	576	571
Beam 673	Beam2	5: ARCARECCI - LAMELLARE	0	90	577	578
Beam 674	Beam2	5: ARCARECCI - LAMELLARE	0	90	132	580
Beam 675	Beam2	5: ARCARECCI - LAMELLARE	0	90	579	581
Beam 676	Beam2	5: ARCARECCI - LAMELLARE	0	90	580	582
Beam 677	Beam2	5: ARCARECCI - LAMELLARE	0	90	581	583
Beam 678	Beam2	5: ARCARECCI - LAMELLARE	0	90	582	584

Beam 679	Beam2	5: ARCARECCI - LAMELLARE	0	90	583	585
Beam 680	Beam2	5: ARCARECCI - LAMELLARE	0	90	584	579
Beam 681	Beam2	5: ARCARECCI - LAMELLARE	0	90	585	586
Beam 682	Beam2	5: ARCARECCI - LAMELLARE	0	90	137	588
Beam 683	Beam2	5: ARCARECCI - LAMELLARE	0	90	587	589
Beam 684	Beam2	5: ARCARECCI - LAMELLARE	0	90	588	590
Beam 685	Beam2	5: ARCARECCI - LAMELLARE	0	90	589	591
Beam 686	Beam2	5: ARCARECCI - LAMELLARE	0	90	590	592
Beam 687	Beam2	5: ARCARECCI - LAMELLARE	0	90	591	593
Beam 688	Beam2	5: ARCARECCI - LAMELLARE	0	90	592	587
Beam 689	Beam2	5: ARCARECCI - LAMELLARE	0	90	593	594
Beam 690	Beam2	5: ARCARECCI - LAMELLARE	0	90	142	596
Beam 691	Beam2	5: ARCARECCI - LAMELLARE	0	90	595	597
Beam 692	Beam2	5: ARCARECCI - LAMELLARE	0	90	596	598
Beam 693	Beam2	5: ARCARECCI - LAMELLARE	0	90	597	599
Beam 694	Beam2	5: ARCARECCI - LAMELLARE	0	90	598	600
Beam 695	Beam2	5: ARCARECCI - LAMELLARE	0	90	599	601
Beam 696	Beam2	5: ARCARECCI - LAMELLARE	0	90	600	595
Beam 697	Beam2	5: ARCARECCI - LAMELLARE	0	90	601	602
Beam 698	Beam2	5: ARCARECCI - LAMELLARE	0	90	147	604
Beam 699	Beam2	5: ARCARECCI - LAMELLARE	0	90	603	605
Beam 700	Beam2	5: ARCARECCI - LAMELLARE	0	90	604	606
Beam 701	Beam2	5: ARCARECCI - LAMELLARE	0	90	605	607
Beam 702	Beam2	5: ARCARECCI - LAMELLARE	0	90	606	608
Beam 703	Beam2	5: ARCARECCI - LAMELLARE	0	90	607	609
Beam 704	Beam2	5: ARCARECCI - LAMELLARE	0	90	608	603
Beam 705	Beam2	5: ARCARECCI - LAMELLARE	0	90	609	610
Beam 706	Beam2	5: ARCARECCI - LAMELLARE	0	90	152	612
Beam 707	Beam2	5: ARCARECCI - LAMELLARE	0	90	611	613
Beam 708	Beam2	5: ARCARECCI - LAMELLARE	0	90	612	614
Beam 709	Beam2	5: ARCARECCI - LAMELLARE	0	90	613	615
Beam 710	Beam2	5: ARCARECCI - LAMELLARE	0	90	614	616
Beam 711	Beam2	5: ARCARECCI - LAMELLARE	0	90	615	617
Beam 712	Beam2	5: ARCARECCI - LAMELLARE	0	90	616	611
Beam 713	Beam2	5: ARCARECCI - LAMELLARE	0	90	617	618
Beam 714	Beam2	5: ARCARECCI - LAMELLARE	0	90	157	620
Beam 715	Beam2	5: ARCARECCI - LAMELLARE	0	90	619	621
Beam 716	Beam2	5: ARCARECCI - LAMELLARE	0	90	620	622
Beam 717	Beam2	5: ARCARECCI - LAMELLARE	0	90	621	623
Beam 718	Beam2	5: ARCARECCI - LAMELLARE	0	90	622	624
Beam 719	Beam2	5: ARCARECCI - LAMELLARE	0	90	623	625
Beam 720	Beam2	5: ARCARECCI - LAMELLARE	0	90	624	619
Beam 721	Beam2	5: ARCARECCI - LAMELLARE	0	90	625	626
Beam 722	Beam2	5: ARCARECCI - LAMELLARE	0	90	162	628
Beam 723	Beam2	5: ARCARECCI - LAMELLARE	0	90	627	629
Beam 724	Beam2	5: ARCARECCI - LAMELLARE	0	90	628	630
Beam 725	Beam2	5: ARCARECCI - LAMELLARE	0	90	629	631
Beam 726	Beam2	5: ARCARECCI - LAMELLARE	0	90	630	632
Beam 727	Beam2	5: ARCARECCI - LAMELLARE	0	90	631	633
Beam 728	Beam2	5: ARCARECCI - LAMELLARE	0	90	632	627

Beam 729	Beam2	5: ARCARECCI - LAMELLARE	0	90	633	634
Beam 730	Beam2	5: ARCARECCI - LAMELLARE	0	90	167	636
Beam 731	Beam2	5: ARCARECCI - LAMELLARE	0	90	635	637
Beam 732	Beam2	5: ARCARECCI - LAMELLARE	0	90	636	638
Beam 733	Beam2	5: ARCARECCI - LAMELLARE	0	90	637	639
Beam 734	Beam2	5: ARCARECCI - LAMELLARE	0	90	638	640
Beam 735	Beam2	5: ARCARECCI - LAMELLARE	0	90	639	641
Beam 736	Beam2	5: ARCARECCI - LAMELLARE	0	90	640	635
Beam 737	Beam2	5: ARCARECCI - LAMELLARE	0	90	641	642
Beam 738	Beam2	5: ARCARECCI - LAMELLARE	0	90	172	644
Beam 739	Beam2	5: ARCARECCI - LAMELLARE	0	90	643	645
Beam 740	Beam2	5: ARCARECCI - LAMELLARE	0	90	644	646
Beam 741	Beam2	5: ARCARECCI - LAMELLARE	0	90	645	647
Beam 742	Beam2	5: ARCARECCI - LAMELLARE	0	90	646	648
Beam 743	Beam2	5: ARCARECCI - LAMELLARE	0	90	647	649
Beam 744	Beam2	5: ARCARECCI - LAMELLARE	0	90	648	643
Beam 745	Beam2	5: ARCARECCI - LAMELLARE	0	90	649	650
Beam 746	Beam2	5: ARCARECCI - LAMELLARE	0	90	177	652
Beam 747	Beam2	5: ARCARECCI - LAMELLARE	0	90	651	653
Beam 748	Beam2	5: ARCARECCI - LAMELLARE	0	90	652	654
Beam 749	Beam2	5: ARCARECCI - LAMELLARE	0	90	653	655
Beam 750	Beam2	5: ARCARECCI - LAMELLARE	0	90	654	656
Beam 751	Beam2	5: ARCARECCI - LAMELLARE	0	90	655	657
Beam 752	Beam2	5: ARCARECCI - LAMELLARE	0	90	656	651
Beam 753	Beam2	5: ARCARECCI - LAMELLARE	0	90	657	658
Beam 754	Beam2	5: ARCARECCI - LAMELLARE	0	90	182	660
Beam 755	Beam2	5: ARCARECCI - LAMELLARE	0	90	659	661
Beam 756	Beam2	5: ARCARECCI - LAMELLARE	0	90	660	662
Beam 757	Beam2	5: ARCARECCI - LAMELLARE	0	90	661	663
Beam 758	Beam2	5: ARCARECCI - LAMELLARE	0	90	662	664
Beam 759	Beam2	5: ARCARECCI - LAMELLARE	0	90	663	665
Beam 760	Beam2	5: ARCARECCI - LAMELLARE	0	90	664	659
Beam 761	Beam2	5: ARCARECCI - LAMELLARE	0	90	665	666
Beam 762	Beam2	5: ARCARECCI - LAMELLARE	0	90	187	668
Beam 763	Beam2	5: ARCARECCI - LAMELLARE	0	90	667	669
Beam 764	Beam2	5: ARCARECCI - LAMELLARE	0	90	668	670
Beam 765	Beam2	5: ARCARECCI - LAMELLARE	0	90	669	671
Beam 766	Beam2	5: ARCARECCI - LAMELLARE	0	90	670	672
Beam 767	Beam2	5: ARCARECCI - LAMELLARE	0	90	671	673
Beam 768	Beam2	5: ARCARECCI - LAMELLARE	0	90	672	667
Beam 769	Beam2	5: ARCARECCI - LAMELLARE	0	90	673	674
Beam 770	Beam2	5: ARCARECCI - LAMELLARE	0	90	192	676
Beam 771	Beam2	5: ARCARECCI - LAMELLARE	0	90	675	677
Beam 772	Beam2	5: ARCARECCI - LAMELLARE	0	90	676	678
Beam 773	Beam2	5: ARCARECCI - LAMELLARE	0	90	677	679
Beam 774	Beam2	5: ARCARECCI - LAMELLARE	0	90	678	680
Beam 775	Beam2	5: ARCARECCI - LAMELLARE	0	90	679	681
Beam 776	Beam2	5: ARCARECCI - LAMELLARE	0	90	680	675
Beam 777	Beam2	5: ARCARECCI - LAMELLARE	0	90	681	682
Beam 778	Beam2	5: ARCARECCI - LAMELLARE	0	90	197	684

Beam 779	Beam2	5: ARCARECCI - LAMELLARE	0	90	683	685
Beam 780	Beam2	5: ARCARECCI - LAMELLARE	0	90	684	686
Beam 781	Beam2	5: ARCARECCI - LAMELLARE	0	90	685	687
Beam 782	Beam2	5: ARCARECCI - LAMELLARE	0	90	686	688
Beam 783	Beam2	5: ARCARECCI - LAMELLARE	0	90	687	689
Beam 784	Beam2	5: ARCARECCI - LAMELLARE	0	90	688	683
Beam 785	Beam2	5: ARCARECCI - LAMELLARE	0	90	689	690
Beam 786	Beam2	5: ARCARECCI - LAMELLARE	0	90	202	692
Beam 787	Beam2	5: ARCARECCI - LAMELLARE	0	90	691	693
Beam 788	Beam2	5: ARCARECCI - LAMELLARE	0	90	692	694
Beam 789	Beam2	5: ARCARECCI - LAMELLARE	0	90	693	695
Beam 790	Beam2	5: ARCARECCI - LAMELLARE	0	90	694	696
Beam 791	Beam2	5: ARCARECCI - LAMELLARE	0	90	695	697
Beam 792	Beam2	5: ARCARECCI - LAMELLARE	0	90	696	691
Beam 793	Beam2	5: ARCARECCI - LAMELLARE	0	90	697	698
Beam 794	Beam2	5: ARCARECCI - LAMELLARE	0	90	207	1040
Beam 795	Beam2	5: ARCARECCI - LAMELLARE	0	90	699	701
Beam 796	Beam2	5: ARCARECCI - LAMELLARE	0	90	700	702
Beam 797	Beam2	5: ARCARECCI - LAMELLARE	0	90	701	703
Beam 798	Beam2	5: ARCARECCI - LAMELLARE	0	90	702	704
Beam 799	Beam2	5: ARCARECCI - LAMELLARE	0	90	703	705
Beam 800	Beam2	5: ARCARECCI - LAMELLARE	0	90	704	699
Beam 801	Beam2	5: ARCARECCI - LAMELLARE	0	90	705	706
Beam 802	Beam2	5: ARCARECCI - LAMELLARE	0	90	212	708
Beam 803	Beam2	5: ARCARECCI - LAMELLARE	0	90	707	709
Beam 804	Beam2	5: ARCARECCI - LAMELLARE	0	90	708	710
Beam 805	Beam2	5: ARCARECCI - LAMELLARE	0	90	709	711
Beam 806	Beam2	5: ARCARECCI - LAMELLARE	0	90	710	712
Beam 807	Beam2	5: ARCARECCI - LAMELLARE	0	90	711	713
Beam 808	Beam2	5: ARCARECCI - LAMELLARE	0	90	712	707
Beam 809	Beam2	5: ARCARECCI - LAMELLARE	0	90	713	714
Beam 810	Beam2	3: PRINCIPALI - ACCIAIO	0	90	715	717
Beam 811	Beam2	3: PRINCIPALI - ACCIAIO	0	90	716	718
Beam 812	Beam2	3: PRINCIPALI - ACCIAIO	0	90	719	721
Beam 813	Beam2	3: PRINCIPALI - ACCIAIO	0	90	720	722
Beam 814	Beam2	4: FICT 1	0	0	379	596
Beam 815	Beam2	4: FICT 1	0	0	380	597
Beam 816	Beam2	4: FICT 1	0	0	381	708
Beam 817	Beam2	4: FICT 1	0	0	382	709
Beam 818	Beam2	4: FICT 1	0	0	383	598
Beam 819	Beam2	4: FICT 1	0	0	384	599
Beam 820	Beam2	4: FICT 1	0	0	385	710
Beam 821	Beam2	4: FICT 1	0	0	386	711
Beam 822	Beam2	4: FICT 1	0	0	387	600
Beam 823	Beam2	4: FICT 1	0	0	388	601
Beam 824	Beam2	4: FICT 1	0	0	389	712
Beam 825	Beam2	4: FICT 1	0	0	390	713
Beam 826	Beam2	4: FICT 1	0	0	391	595
Beam 827	Beam2	4: FICT 1	0	0	392	602
Beam 828	Beam2	4: FICT 1	0	0	393	707

Beam 829	Beam2	4: FICT 1	0	0	394	714
Beam 830	Beam2	4: FICT 1	0	0	395	620
Beam 831	Beam2	4: FICT 1	0	0	396	621
Beam 832	Beam2	4: FICT 1	0	0	397	548
Beam 833	Beam2	4: FICT 1	0	0	398	549
Beam 834	Beam2	4: FICT 1	0	0	399	622
Beam 835	Beam2	4: FICT 1	0	0	400	623
Beam 836	Beam2	4: FICT 1	0	0	401	550
Beam 837	Beam2	4: FICT 1	0	0	402	551
Beam 838	Beam2	4: FICT 1	0	0	403	624
Beam 839	Beam2	4: FICT 1	0	0	404	625
Beam 840	Beam2	4: FICT 1	0	0	405	552
Beam 841	Beam2	4: FICT 1	0	0	406	553
Beam 842	Beam2	4: FICT 1	0	0	407	619
Beam 843	Beam2	4: FICT 1	0	0	408	626
Beam 844	Beam2	4: FICT 1	0	0	409	547
Beam 845	Beam2	4: FICT 1	0	0	410	554
Beam 846	Beam2	4: FICT 1	0	0	411	644
Beam 847	Beam2	4: FICT 1	0	0	412	645
Beam 848	Beam2	4: FICT 1	0	0	413	556
Beam 849	Beam2	4: FICT 1	0	0	414	557
Beam 850	Beam2	4: FICT 1	0	0	415	646
Beam 851	Beam2	4: FICT 1	0	0	416	647
Beam 852	Beam2	4: FICT 1	0	0	417	558
Beam 853	Beam2	4: FICT 1	0	0	418	559
Beam 854	Beam2	4: FICT 1	0	0	419	648
Beam 855	Beam2	4: FICT 1	0	0	420	649
Beam 856	Beam2	4: FICT 1	0	0	421	560
Beam 857	Beam2	4: FICT 1	0	0	422	561
Beam 858	Beam2	4: FICT 1	0	0	423	643
Beam 859	Beam2	4: FICT 1	0	0	424	650
Beam 860	Beam2	4: FICT 1	0	0	425	555
Beam 861	Beam2	4: FICT 1	0	0	426	562
Beam 862	Beam2	4: FICT 1	0	0	427	668
Beam 863	Beam2	4: FICT 1	0	0	428	669
Beam 864	Beam2	4: FICT 1	0	0	429	564
Beam 865	Beam2	4: FICT 1	0	0	430	565
Beam 866	Beam2	4: FICT 1	0	0	431	670
Beam 867	Beam2	4: FICT 1	0	0	432	671
Beam 868	Beam2	4: FICT 1	0	0	433	566
Beam 869	Beam2	4: FICT 1	0	0	434	567
Beam 870	Beam2	4: FICT 1	0	0	435	672
Beam 871	Beam2	4: FICT 1	0	0	436	673
Beam 872	Beam2	4: FICT 1	0	0	437	568
Beam 873	Beam2	4: FICT 1	0	0	438	569
Beam 874	Beam2	4: FICT 1	0	0	439	667
Beam 875	Beam2	4: FICT 1	0	0	440	674
Beam 876	Beam2	4: FICT 1	0	0	441	563
Beam 877	Beam2	4: FICT 1	0	0	442	570
Beam 878	Beam2	4: FICT 1	0	0	443	692

Beam 879	Beam2	4: FICT 1	0	0	444	693
Beam 880	Beam2	4: FICT 1	0	0	445	572
Beam 881	Beam2	4: FICT 1	0	0	446	573
Beam 882	Beam2	4: FICT 1	0	0	447	694
Beam 883	Beam2	4: FICT 1	0	0	448	695
Beam 884	Beam2	4: FICT 1	0	0	449	574
Beam 885	Beam2	4: FICT 1	0	0	450	575
Beam 886	Beam2	4: FICT 1	0	0	451	696
Beam 887	Beam2	4: FICT 1	0	0	452	697
Beam 888	Beam2	4: FICT 1	0	0	453	576
Beam 889	Beam2	4: FICT 1	0	0	454	577
Beam 890	Beam2	4: FICT 1	0	0	455	691
Beam 891	Beam2	4: FICT 1	0	0	456	698
Beam 892	Beam2	4: FICT 1	0	0	457	571
Beam 893	Beam2	4: FICT 1	0	0	458	578
Beam 894	Beam2	4: FICT 1	0	0	459	580
Beam 895	Beam2	4: FICT 1	0	0	460	581
Beam 896	Beam2	4: FICT 1	0	0	461	588
Beam 897	Beam2	4: FICT 1	0	0	462	589
Beam 898	Beam2	4: FICT 1	0	0	463	582
Beam 899	Beam2	4: FICT 1	0	0	464	583
Beam 900	Beam2	4: FICT 1	0	0	465	590
Beam 901	Beam2	4: FICT 1	0	0	466	591
Beam 902	Beam2	4: FICT 1	0	0	467	584
Beam 903	Beam2	4: FICT 1	0	0	468	585
Beam 904	Beam2	4: FICT 1	0	0	469	592
Beam 905	Beam2	4: FICT 1	0	0	470	593
Beam 906	Beam2	4: FICT 1	0	0	471	579
Beam 907	Beam2	4: FICT 1	0	0	472	586
Beam 908	Beam2	4: FICT 1	0	0	473	587
Beam 909	Beam2	4: FICT 1	0	0	474	594
Beam 910	Beam2	4: FICT 1	0	0	475	604
Beam 911	Beam2	4: FICT 1	0	0	476	605
Beam 912	Beam2	4: FICT 1	0	0	477	612
Beam 913	Beam2	4: FICT 1	0	0	478	613
Beam 914	Beam2	4: FICT 1	0	0	479	606
Beam 915	Beam2	4: FICT 1	0	0	480	607
Beam 916	Beam2	4: FICT 1	0	0	481	614
Beam 917	Beam2	4: FICT 1	0	0	482	615
Beam 918	Beam2	4: FICT 1	0	0	483	608
Beam 919	Beam2	4: FICT 1	0	0	484	609
Beam 920	Beam2	4: FICT 1	0	0	485	616
Beam 921	Beam2	4: FICT 1	0	0	486	617
Beam 922	Beam2	4: FICT 1	0	0	487	603
Beam 923	Beam2	4: FICT 1	0	0	488	610
Beam 924	Beam2	4: FICT 1	0	0	489	611
Beam 925	Beam2	4: FICT 1	0	0	490	618
Beam 926	Beam2	4: FICT 1	0	0	491	628
Beam 927	Beam2	4: FICT 1	0	0	492	629
Beam 928	Beam2	4: FICT 1	0	0	493	636

Beam 929	Beam2	4: FICT 1	0	0	494	637
Beam 930	Beam2	4: FICT 1	0	0	495	630
Beam 931	Beam2	4: FICT 1	0	0	496	631
Beam 932	Beam2	4: FICT 1	0	0	497	638
Beam 933	Beam2	4: FICT 1	0	0	498	639
Beam 934	Beam2	4: FICT 1	0	0	499	632
Beam 935	Beam2	4: FICT 1	0	0	500	633
Beam 936	Beam2	4: FICT 1	0	0	501	640
Beam 937	Beam2	4: FICT 1	0	0	502	641
Beam 938	Beam2	4: FICT 1	0	0	503	627
Beam 939	Beam2	4: FICT 1	0	0	504	634
Beam 940	Beam2	4: FICT 1	0	0	505	635
Beam 941	Beam2	4: FICT 1	0	0	506	642
Beam 942	Beam2	4: FICT 1	0	0	507	652
Beam 943	Beam2	4: FICT 1	0	0	508	653
Beam 944	Beam2	4: FICT 1	0	0	509	660
Beam 945	Beam2	4: FICT 1	0	0	510	661
Beam 946	Beam2	4: FICT 1	0	0	511	654
Beam 947	Beam2	4: FICT 1	0	0	512	655
Beam 948	Beam2	4: FICT 1	0	0	513	662
Beam 949	Beam2	4: FICT 1	0	0	514	663
Beam 950	Beam2	4: FICT 1	0	0	515	656
Beam 951	Beam2	4: FICT 1	0	0	516	657
Beam 952	Beam2	4: FICT 1	0	0	517	664
Beam 953	Beam2	4: FICT 1	0	0	518	665
Beam 954	Beam2	4: FICT 1	0	0	519	651
Beam 955	Beam2	4: FICT 1	0	0	520	658
Beam 956	Beam2	4: FICT 1	0	0	521	659
Beam 957	Beam2	4: FICT 1	0	0	522	666
Beam 958	Beam2	4: FICT 1	0	0	523	700
Beam 959	Beam2	4: FICT 1	0	0	524	701
Beam 960	Beam2	4: FICT 1	0	0	525	676
Beam 961	Beam2	4: FICT 1	0	0	526	677
Beam 962	Beam2	4: FICT 1	0	0	527	684
Beam 963	Beam2	4: FICT 1	0	0	528	685
Beam 964	Beam2	4: FICT 1	0	0	529	702
Beam 965	Beam2	4: FICT 1	0	0	530	703
Beam 966	Beam2	4: FICT 1	0	0	531	678
Beam 967	Beam2	4: FICT 1	0	0	532	679
Beam 968	Beam2	4: FICT 1	0	0	533	686
Beam 969	Beam2	4: FICT 1	0	0	534	687
Beam 970	Beam2	4: FICT 1	0	0	535	704
Beam 971	Beam2	4: FICT 1	0	0	536	705
Beam 972	Beam2	4: FICT 1	0	0	537	680
Beam 973	Beam2	4: FICT 1	0	0	538	681
Beam 974	Beam2	4: FICT 1	0	0	539	688
Beam 975	Beam2	4: FICT 1	0	0	540	689
Beam 976	Beam2	4: FICT 1	0	0	541	699
Beam 977	Beam2	4: FICT 1	0	0	542	706
Beam 978	Beam2	4: FICT 1	0	0	543	675

Beam 979	Beam2	4: FICT 1	0	0	544	682
Beam 980	Beam2	4: FICT 1	0	0	545	683
Beam 981	Beam2	4: FICT 1	0	0	546	690
Beam 982	Beam2	6: FICT 2	0	0	723	725
Beam 983	Beam2	6: FICT 2	0	0	724	726
Beam 984	Beam2	6: FICT 2	0	0	727	729
Beam 985	Beam2	6: FICT 2	0	0	728	730
Beam 986	Beam2	6: FICT 2	0	0	723	731
Beam 987	Beam2	6: FICT 2	0	0	724	732
Beam 988	Beam2	6: FICT 2	0	0	727	733
Beam 989	Beam2	6: FICT 2	0	0	728	734
Beam 990	Beam2	4: FICT 1	0	0	381	735
Beam 991	Beam2	4: FICT 1	0	0	382	736
Beam 992	Beam2	4: FICT 1	0	0	385	737
Beam 993	Beam2	4: FICT 1	0	0	386	738
Beam 994	Beam2	4: FICT 1	0	0	389	739
Beam 995	Beam2	4: FICT 1	0	0	390	740
Beam 996	Beam2	4: FICT 1	0	0	393	733
Beam 997	Beam2	4: FICT 1	0	0	394	734
Beam 998	Beam2	4: FICT 1	0	0	523	741
Beam 999	Beam2	4: FICT 1	0	0	524	742
Beam 1000	Beam2	4: FICT 1	0	0	529	743
Beam 1001	Beam2	4: FICT 1	0	0	530	744
Beam 1002	Beam2	4: FICT 1	0	0	535	745
Beam 1003	Beam2	4: FICT 1	0	0	536	746
Beam 1004	Beam2	4: FICT 1	0	0	541	731
Beam 1005	Beam2	4: FICT 1	0	0	542	732
Beam 1006	Beam2	6: FICT 2	0	0	747	745
Beam 1007	Beam2	6: FICT 2	0	0	748	746
Beam 1008	Beam2	6: FICT 2	0	0	749	743
Beam 1009	Beam2	6: FICT 2	0	0	750	744
Beam 1010	Beam2	6: FICT 2	0	0	717	741
Beam 1011	Beam2	6: FICT 2	0	0	718	742
Beam 1012	Beam2	6: FICT 2	0	0	751	739
Beam 1013	Beam2	6: FICT 2	0	0	752	740
Beam 1014	Beam2	6: FICT 2	0	0	753	737
Beam 1015	Beam2	6: FICT 2	0	0	754	738
Beam 1016	Beam2	6: FICT 2	0	0	721	735
Beam 1017	Beam2	6: FICT 2	0	0	722	736
Beam 1018	Beam2	27: principali rinforzate	0	90	755	723
Beam 1019	Beam2	3: PRINCIPALI - ACCIAIO	0	90	756	724
Beam 1020	Beam2	3: PRINCIPALI - ACCIAIO	0	90	757	747
Beam 1021	Beam2	3: PRINCIPALI - ACCIAIO	0	90	758	748
Beam 1022	Beam2	3: PRINCIPALI - ACCIAIO	0	90	759	749
Beam 1023	Beam2	3: PRINCIPALI - ACCIAIO	0	90	760	750
Beam 1024	Beam2	27: principali rinforzate	0	90	761	727
Beam 1025	Beam2	3: PRINCIPALI - ACCIAIO	0	90	762	728
Beam 1026	Beam2	3: PRINCIPALI - ACCIAIO	0	90	763	751
Beam 1027	Beam2	3: PRINCIPALI - ACCIAIO	0	90	764	752
Beam 1028	Beam2	3: PRINCIPALI - ACCIAIO	0	90	765	753

Beam 1029	Beam2	3: PRINCIPALI - ACCIAIO	0	90	766	754
Beam 1030	Beam2	8: CONTROVENTI	0	0	712	566
Beam 1031	Beam2	8: CONTROVENTI	0	0	714	569
Beam 1032	Beam2	8: CONTROVENTI	0	0	566	560
Beam 1033	Beam2	8: CONTROVENTI	0	0	569	562
Beam 1034	Beam2	8: CONTROVENTI	0	0	560	574
Beam 1035	Beam2	8: CONTROVENTI	0	0	562	577
Beam 1036	Beam2	8: CONTROVENTI	0	0	574	704
Beam 1037	Beam2	8: CONTROVENTI	0	0	577	706
Beam 1038	Beam2	8: CONTROVENTI	0	0	712	550
Beam 1039	Beam2	8: CONTROVENTI	0	0	714	553
Beam 1072	Beam2	27: principali rinforzate	0	90	217	715
Beam 1073	Beam2	27: principali rinforzate	0	90	723	716
Beam 1074	Beam2	27: principali rinforzate	0	90	220	719
Beam 1075	Beam2	27: principali rinforzate	0	90	727	720
Beam 1076	Beam2	3: PRINCIPALI - ACCIAIO	0	90	747	755
Beam 1077	Beam2	3: PRINCIPALI - ACCIAIO	0	90	748	756
Beam 1078	Beam2	3: PRINCIPALI - ACCIAIO	0	90	749	757
Beam 1079	Beam2	3: PRINCIPALI - ACCIAIO	0	90	750	758
Beam 1080	Beam2	3: PRINCIPALI - ACCIAIO	0	90	717	759
Beam 1081	Beam2	3: PRINCIPALI - ACCIAIO	0	90	718	760
Beam 1082	Beam2	3: PRINCIPALI - ACCIAIO	0	90	751	761
Beam 1083	Beam2	3: PRINCIPALI - ACCIAIO	0	90	752	762
Beam 1084	Beam2	3: PRINCIPALI - ACCIAIO	0	90	753	763
Beam 1085	Beam2	3: PRINCIPALI - ACCIAIO	0	90	754	764
Beam 1086	Beam2	3: PRINCIPALI - ACCIAIO	0	90	721	765
Beam 1087	Beam2	3: PRINCIPALI - ACCIAIO	0	90	722	766
Beam 1088	Beam2	21: FICT 3	0	0	783	596
Beam 1089	Beam2	21: FICT 3	0	0	784	597
Beam 1090	Beam2	21: FICT 3	0	0	785	708
Beam 1091	Beam2	21: FICT 3	0	0	786	709
Beam 1092	Beam2	21: FICT 3	0	0	787	620
Beam 1093	Beam2	21: FICT 3	0	0	788	621
Beam 1094	Beam2	21: FICT 3	0	0	789	548
Beam 1095	Beam2	21: FICT 3	0	0	790	549
Beam 1096	Beam2	21: FICT 3	0	0	791	644
Beam 1097	Beam2	21: FICT 3	0	0	792	645
Beam 1098	Beam2	21: FICT 3	0	0	793	556
Beam 1099	Beam2	21: FICT 3	0	0	794	557
Beam 1100	Beam2	21: FICT 3	0	0	795	668
Beam 1101	Beam2	21: FICT 3	0	0	796	669
Beam 1102	Beam2	21: FICT 3	0	0	797	564
Beam 1103	Beam2	21: FICT 3	0	0	798	565
Beam 1104	Beam2	21: FICT 3	0	0	799	692
Beam 1105	Beam2	21: FICT 3	0	0	800	693
Beam 1106	Beam2	21: FICT 3	0	0	801	572
Beam 1107	Beam2	21: FICT 3	0	0	802	573
Beam 1108	Beam2	21: FICT 3	0	0	803	598
Beam 1109	Beam2	21: FICT 3	0	0	804	599
Beam 1110	Beam2	21: FICT 3	0	0	805	710

Beam 111	Beam2	21: FICT 3	0	0	806	711
Beam 111	Beam2	21: FICT 3	0	0	807	600
Beam 111	Beam2	21: FICT 3	0	0	808	601
Beam 111	Beam2	21: FICT 3	0	0	809	712
Beam 111	Beam2	21: FICT 3	0	0	810	713
Beam 111	Beam2	21: FICT 3	0	0	811	595
Beam 111	Beam2	21: FICT 3	0	0	812	602
Beam 111	Beam2	21: FICT 3	0	0	813	707
Beam 111	Beam2	21: FICT 3	0	0	814	714
Beam 112	Beam2	21: FICT 3	0	0	815	622
Beam 112	Beam2	21: FICT 3	0	0	816	623
Beam 112	Beam2	21: FICT 3	0	0	817	550
Beam 112	Beam2	21: FICT 3	0	0	818	551
Beam 112	Beam2	21: FICT 3	0	0	819	624
Beam 112	Beam2	21: FICT 3	0	0	820	625
Beam 112	Beam2	21: FICT 3	0	0	821	552
Beam 112	Beam2	21: FICT 3	0	0	822	553
Beam 112	Beam2	21: FICT 3	0	0	823	619
Beam 112	Beam2	21: FICT 3	0	0	824	626
Beam 113	Beam2	21: FICT 3	0	0	825	547
Beam 113	Beam2	21: FICT 3	0	0	826	554
Beam 113	Beam2	21: FICT 3	0	0	827	646
Beam 113	Beam2	21: FICT 3	0	0	828	647
Beam 113	Beam2	21: FICT 3	0	0	829	558
Beam 113	Beam2	21: FICT 3	0	0	830	559
Beam 113	Beam2	21: FICT 3	0	0	831	648
Beam 113	Beam2	21: FICT 3	0	0	832	649
Beam 113	Beam2	21: FICT 3	0	0	833	560
Beam 113	Beam2	21: FICT 3	0	0	834	561
Beam 114	Beam2	21: FICT 3	0	0	835	643
Beam 114	Beam2	21: FICT 3	0	0	836	650
Beam 114	Beam2	21: FICT 3	0	0	837	555
Beam 114	Beam2	21: FICT 3	0	0	838	562
Beam 114	Beam2	21: FICT 3	0	0	839	670
Beam 114	Beam2	21: FICT 3	0	0	840	671
Beam 114	Beam2	21: FICT 3	0	0	841	566
Beam 114	Beam2	21: FICT 3	0	0	842	567
Beam 114	Beam2	21: FICT 3	0	0	843	672
Beam 114	Beam2	21: FICT 3	0	0	844	673
Beam 115	Beam2	21: FICT 3	0	0	845	568
Beam 115	Beam2	21: FICT 3	0	0	846	569
Beam 115	Beam2	21: FICT 3	0	0	847	667
Beam 115	Beam2	21: FICT 3	0	0	848	674
Beam 115	Beam2	21: FICT 3	0	0	849	563
Beam 115	Beam2	21: FICT 3	0	0	850	570
Beam 115	Beam2	21: FICT 3	0	0	851	694
Beam 115	Beam2	21: FICT 3	0	0	852	695
Beam 115	Beam2	21: FICT 3	0	0	853	574
Beam 115	Beam2	21: FICT 3	0	0	854	575
Beam 116	Beam2	21: FICT 3	0	0	855	696

Beam 116	Beam2	21: FICT 3	0	0	856	697
Beam 116	Beam2	21: FICT 3	0	0	857	576
Beam 116	Beam2	21: FICT 3	0	0	858	577
Beam 116	Beam2	21: FICT 3	0	0	859	691
Beam 116	Beam2	21: FICT 3	0	0	860	698
Beam 116	Beam2	21: FICT 3	0	0	861	571
Beam 116	Beam2	21: FICT 3	0	0	862	578
Beam 116	Beam2	21: FICT 3	0	0	863	580
Beam 116	Beam2	21: FICT 3	0	0	864	581
Beam 117	Beam2	21: FICT 3	0	0	865	588
Beam 117	Beam2	21: FICT 3	0	0	866	589
Beam 117	Beam2	21: FICT 3	0	0	867	604
Beam 117	Beam2	21: FICT 3	0	0	868	605
Beam 117	Beam2	21: FICT 3	0	0	869	612
Beam 117	Beam2	21: FICT 3	0	0	870	613
Beam 117	Beam2	21: FICT 3	0	0	871	628
Beam 117	Beam2	21: FICT 3	0	0	872	629
Beam 117	Beam2	21: FICT 3	0	0	873	636
Beam 117	Beam2	21: FICT 3	0	0	874	637
Beam 118	Beam2	21: FICT 3	0	0	875	652
Beam 118	Beam2	21: FICT 3	0	0	876	653
Beam 118	Beam2	21: FICT 3	0	0	877	660
Beam 118	Beam2	21: FICT 3	0	0	878	661
Beam 118	Beam2	21: FICT 3	0	0	879	700
Beam 118	Beam2	21: FICT 3	0	0	880	701
Beam 118	Beam2	21: FICT 3	0	0	881	676
Beam 118	Beam2	21: FICT 3	0	0	882	677
Beam 118	Beam2	21: FICT 3	0	0	883	684
Beam 118	Beam2	21: FICT 3	0	0	884	685
Beam 119	Beam2	21: FICT 3	0	0	885	582
Beam 119	Beam2	21: FICT 3	0	0	886	583
Beam 119	Beam2	21: FICT 3	0	0	887	590
Beam 119	Beam2	21: FICT 3	0	0	888	591
Beam 119	Beam2	21: FICT 3	0	0	889	584
Beam 119	Beam2	21: FICT 3	0	0	890	585
Beam 119	Beam2	21: FICT 3	0	0	891	592
Beam 119	Beam2	21: FICT 3	0	0	892	593
Beam 119	Beam2	21: FICT 3	0	0	893	579
Beam 119	Beam2	21: FICT 3	0	0	894	586
Beam 120	Beam2	21: FICT 3	0	0	895	587
Beam 120	Beam2	21: FICT 3	0	0	896	594
Beam 120	Beam2	21: FICT 3	0	0	897	606
Beam 120	Beam2	21: FICT 3	0	0	898	607
Beam 120	Beam2	21: FICT 3	0	0	899	614
Beam 120	Beam2	21: FICT 3	0	0	900	615
Beam 120	Beam2	21: FICT 3	0	0	901	608
Beam 120	Beam2	21: FICT 3	0	0	902	609
Beam 120	Beam2	21: FICT 3	0	0	903	616
Beam 120	Beam2	21: FICT 3	0	0	904	617
Beam 121	Beam2	21: FICT 3	0	0	905	603

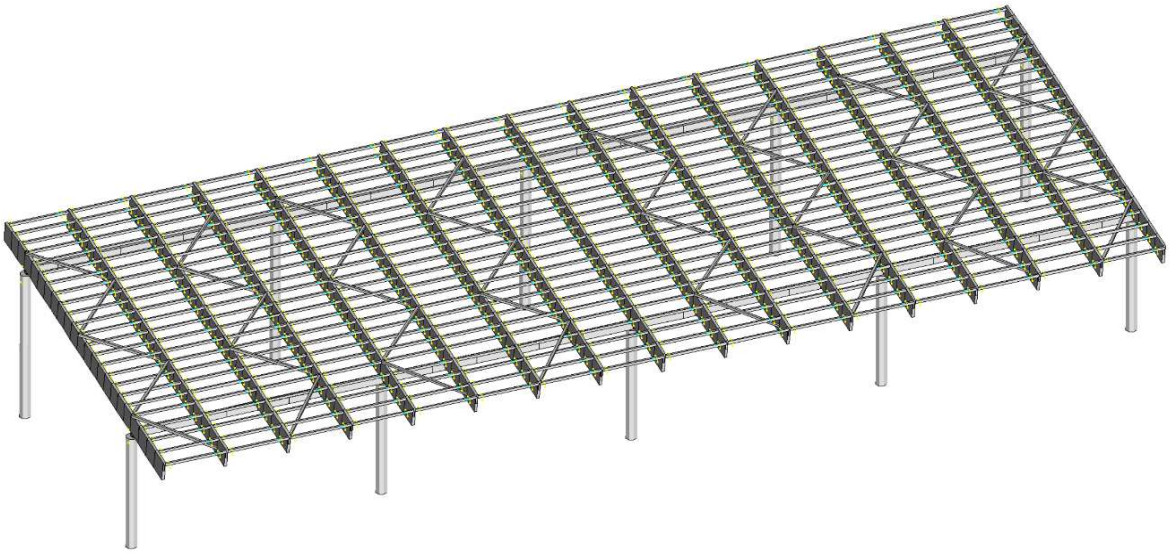
Beam 1211	Beam2	21: FICT 3	0	0	906	610
Beam 1212	Beam2	21: FICT 3	0	0	907	611
Beam 1213	Beam2	21: FICT 3	0	0	908	618
Beam 1214	Beam2	21: FICT 3	0	0	909	630
Beam 1215	Beam2	21: FICT 3	0	0	910	631
Beam 1216	Beam2	21: FICT 3	0	0	911	638
Beam 1217	Beam2	21: FICT 3	0	0	912	639
Beam 1218	Beam2	21: FICT 3	0	0	913	632
Beam 1219	Beam2	21: FICT 3	0	0	914	633
Beam 1220	Beam2	21: FICT 3	0	0	915	640
Beam 1221	Beam2	21: FICT 3	0	0	916	641
Beam 1222	Beam2	21: FICT 3	0	0	917	627
Beam 1223	Beam2	21: FICT 3	0	0	918	634
Beam 1224	Beam2	21: FICT 3	0	0	919	635
Beam 1225	Beam2	21: FICT 3	0	0	920	642
Beam 1226	Beam2	21: FICT 3	0	0	921	654
Beam 1227	Beam2	21: FICT 3	0	0	922	655
Beam 1228	Beam2	21: FICT 3	0	0	923	662
Beam 1229	Beam2	21: FICT 3	0	0	924	663
Beam 1230	Beam2	21: FICT 3	0	0	925	656
Beam 1231	Beam2	21: FICT 3	0	0	926	657
Beam 1232	Beam2	21: FICT 3	0	0	927	664
Beam 1233	Beam2	21: FICT 3	0	0	928	665
Beam 1234	Beam2	21: FICT 3	0	0	929	651
Beam 1235	Beam2	21: FICT 3	0	0	930	658
Beam 1236	Beam2	21: FICT 3	0	0	931	659
Beam 1237	Beam2	21: FICT 3	0	0	932	666
Beam 1238	Beam2	21: FICT 3	0	0	933	702
Beam 1239	Beam2	21: FICT 3	0	0	934	703
Beam 1240	Beam2	21: FICT 3	0	0	935	678
Beam 1241	Beam2	21: FICT 3	0	0	936	679
Beam 1242	Beam2	21: FICT 3	0	0	937	686
Beam 1243	Beam2	21: FICT 3	0	0	938	687
Beam 1244	Beam2	21: FICT 3	0	0	939	704
Beam 1245	Beam2	21: FICT 3	0	0	940	705
Beam 1246	Beam2	21: FICT 3	0	0	941	680
Beam 1247	Beam2	21: FICT 3	0	0	942	681
Beam 1248	Beam2	21: FICT 3	0	0	943	688
Beam 1249	Beam2	21: FICT 3	0	0	944	689
Beam 1250	Beam2	21: FICT 3	0	0	945	699
Beam 1251	Beam2	21: FICT 3	0	0	946	706
Beam 1252	Beam2	21: FICT 3	0	0	947	675
Beam 1253	Beam2	21: FICT 3	0	0	948	682
Beam 1254	Beam2	21: FICT 3	0	0	949	683
Beam 1255	Beam2	21: FICT 3	0	0	950	690
Beam 1287	Beam2	2: PRINCIPALI - LAMELLARE	0	90	967	968
Beam 1288	Beam2	2: PRINCIPALI - LAMELLARE	0	90	969	970
Beam 1289	Beam2	2: PRINCIPALI - LAMELLARE	0	90	968	971
Beam 1290	Beam2	2: PRINCIPALI - LAMELLARE	0	90	970	972
Beam 1291	Beam2	2: PRINCIPALI - LAMELLARE	0	90	971	523

Beam 129	Beam2	2: PRINCIPALI - LAMELLARE	0	90	972	524
Beam 129	Beam2	2: PRINCIPALI - LAMELLARE	0	90	973	974
Beam 129	Beam2	2: PRINCIPALI - LAMELLARE	0	90	975	976
Beam 129	Beam2	2: PRINCIPALI - LAMELLARE	0	90	974	977
Beam 129	Beam2	2: PRINCIPALI - LAMELLARE	0	90	976	978
Beam 129	Beam2	2: PRINCIPALI - LAMELLARE	0	90	977	529
Beam 129	Beam2	2: PRINCIPALI - LAMELLARE	0	90	978	530
Beam 129	Beam2	2: PRINCIPALI - LAMELLARE	0	90	979	980
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	981	982
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	980	983
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	982	984
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	983	535
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	984	536
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	985	986
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	987	988
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	986	989
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	988	990
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	989	541
Beam 131	Beam2	2: PRINCIPALI - LAMELLARE	0	90	990	542
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	992	993
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	991	994
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	993	995
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	994	996
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	995	997
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	996	992
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	997	998
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	1000	1001
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	999	1002
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	1001	1003
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	1002	1004
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	1003	1005
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	1004	1000
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	1005	1006
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	1008	1009
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	1007	1010
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	1009	1011
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	1010	1012
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	1011	1013
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	1012	1008
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	1013	1014
Beam 133	Beam2	4: FICT 1	0	0	967	1007
Beam 133	Beam2	4: FICT 1	0	0	969	1009
Beam 133	Beam2	4: FICT 1	0	0	968	991
Beam 133	Beam2	4: FICT 1	0	0	970	993
Beam 133	Beam2	4: FICT 1	0	0	971	999
Beam 133	Beam2	4: FICT 1	0	0	972	1001
Beam 133	Beam2	4: FICT 1	0	0	973	1010
Beam 133	Beam2	4: FICT 1	0	0	975	1011
Beam 134	Beam2	4: FICT 1	0	0	974	994
Beam 134	Beam2	4: FICT 1	0	0	976	995

Beam 1342	Beam2	4: FICT 1	0	0	977	1002
Beam 1343	Beam2	4: FICT 1	0	0	978	1003
Beam 1344	Beam2	4: FICT 1	0	0	979	1012
Beam 1345	Beam2	4: FICT 1	0	0	981	1013
Beam 1346	Beam2	4: FICT 1	0	0	980	996
Beam 1347	Beam2	4: FICT 1	0	0	982	997
Beam 1348	Beam2	4: FICT 1	0	0	983	1004
Beam 1349	Beam2	4: FICT 1	0	0	984	1005
Beam 1350	Beam2	4: FICT 1	0	0	985	1008
Beam 1351	Beam2	4: FICT 1	0	0	987	1014
Beam 1352	Beam2	4: FICT 1	0	0	986	992
Beam 1353	Beam2	4: FICT 1	0	0	988	998
Beam 1354	Beam2	4: FICT 1	0	0	989	1000
Beam 1355	Beam2	4: FICT 1	0	0	990	1006
Beam 1356	Beam2	21: FICT 3	0	0	1015	1007
Beam 1357	Beam2	21: FICT 3	0	0	1016	991
Beam 1358	Beam2	21: FICT 3	0	0	1017	992
Beam 1359	Beam2	21: FICT 3	0	0	1018	1008
Beam 1360	Beam2	21: FICT 3	0	0	1019	1009
Beam 1361	Beam2	21: FICT 3	0	0	1020	993
Beam 1362	Beam2	21: FICT 3	0	0	1021	999
Beam 1363	Beam2	21: FICT 3	0	0	1022	1000
Beam 1364	Beam2	21: FICT 3	0	0	1023	1001
Beam 1365	Beam2	21: FICT 3	0	0	1024	1010
Beam 1366	Beam2	21: FICT 3	0	0	1025	994
Beam 1367	Beam2	21: FICT 3	0	0	1026	1011
Beam 1368	Beam2	21: FICT 3	0	0	1027	995
Beam 1369	Beam2	21: FICT 3	0	0	1028	1002
Beam 1370	Beam2	21: FICT 3	0	0	1029	1003
Beam 1371	Beam2	21: FICT 3	0	0	1030	1012
Beam 1372	Beam2	21: FICT 3	0	0	1031	996
Beam 1373	Beam2	21: FICT 3	0	0	1032	1013
Beam 1374	Beam2	21: FICT 3	0	0	1033	997
Beam 1375	Beam2	21: FICT 3	0	0	1034	1004
Beam 1376	Beam2	21: FICT 3	0	0	1035	1005
Beam 1377	Beam2	21: FICT 3	0	0	1036	1014
Beam 1378	Beam2	21: FICT 3	0	0	1037	998
Beam 1379	Beam2	21: FICT 3	0	0	1038	1006
Beam 1380	Beam2	21: FICT 3	0	0	1039	1040
Beam 1381	Beam2	5: ARCARECCI - LAMELLARE	0	90	1040	700
Beam 1382	Beam2	10: COLONNE - CA 100cm	0	0	1	223
Beam 1383	Beam2	10: COLONNE - CA 100cm	0	0	2	224
Beam 1384	Beam2	10: COLONNE - CA 100cm	0	0	3	221
Beam 1385	Beam2	10: COLONNE - CA 100cm	0	0	4	222
Beam 1386	Beam2	10: COLONNE - CA 100cm	0	0	375	729
Beam 1387	Beam2	10: COLONNE - CA 100cm	0	0	376	730
Beam 1388	Beam2	10: COLONNE - CA 100cm	0	0	377	725
Beam 1389	Beam2	10: COLONNE - CA 100cm	0	0	378	726
Beam 1390	Beam2	8: CONTROVENTI	0	0	212	564
Beam 1391	Beam2	8: CONTROVENTI	0	0	564	117

Beam 1392	Beam2	8: CONTROVENTI	0	0	117	572
Beam 1393	Beam2	8: CONTROVENTI	0	0	572	207
Beam 1394	Beam2	8: CONTROVENTI	0	0	212	548
Beam 1395	Beam2	8: CONTROVENTI	0	0	565	707
Beam 1396	Beam2	8: CONTROVENTI	0	0	555	565
Beam 1397	Beam2	8: CONTROVENTI	0	0.000001	573	555
Beam 1398	Beam2	8: CONTROVENTI	0	0.000001	699	573
Beam 1399	Beam2	8: CONTROVENTI	0	0	549	707

CORPO LS2



Indice dei nodi di definizione

	X (m)	Y (m)	Z (m)
Node 1	61.30	60.00	-0.50
Node 2	61.30	80.00	-0.50
Node 3	61.30	78.75	10.63
Node 4	61.30	80.00	10.45
Node 5	61.30	84.50	9.80
Node 6	61.30	86.00	9.58
Node 7	61.30	68.75	12.08
Node 8	61.30	70.00	11.90
Node 9	61.30	73.75	11.36
Node 10	61.30	75.00	11.18
Node 11	61.30	63.75	12.81
Node 12	61.30	65.00	12.63
Node 13	61.30	76.25	10.99
Node 14	61.30	77.50	10.81
Node 15	61.30	81.50	10.23
Node 16	61.30	83.00	10.02
Node 17	61.30	66.25	12.44
Node 18	61.30	67.50	12.26
Node 19	61.30	71.25	11.72
Node 20	61.30	72.50	11.54
Node 21	61.30	60.00	13.35
Node 22	61.30	61.25	13.17
Node 23	61.30	62.50	12.99
Node 24	61.30	86.00	10.13
Node 25	61.30	70.00	12.45
Node 26	61.30	75.00	11.73
Node 27	61.30	65.00	13.18
Node 28	61.30	76.25	11.54
Node 29	61.30	77.50	11.36
Node 30	61.30	78.75	11.18
Node 31	61.30	81.50	10.78
Node 32	61.30	83.00	10.57
Node 33	61.30	84.50	10.35
Node 34	61.30	66.25	12.99
Node 35	61.30	67.50	12.81
Node 36	61.30	68.75	12.63
Node 37	61.30	71.25	12.27
Node 38	61.30	72.50	12.09
Node 39	61.30	73.75	11.91
Node 40	61.30	61.25	13.72
Node 41	61.30	62.50	13.54
Node 42	61.30	63.75	13.36
Node 43	61.30	60.00	13.90
Node 44	61.30	80.00	11.00

	X (m)	Y (m)	Z (m)
Node 706	126.30	60.00	13.90
Node 707	71.30	60.00	13.90
Node 708	91.30	60.00	13.90
Node 709	111.30	60.00	13.90
Node 710	131.30	60.00	13.90
Node 711	76.30	60.00	13.90
Node 712	96.30	60.00	13.90
Node 713	116.30	60.00	13.90
Node 714	136.30	60.00	13.90
Node 715	81.30	80.00	11.00
Node 716	101.30	80.00	11.00
Node 717	121.30	80.00	11.00
Node 718	141.30	80.00	11.00
Node 719	66.30	80.00	11.00
Node 720	86.30	80.00	11.00
Node 721	106.30	80.00	11.00
Node 722	126.30	80.00	11.00
Node 723	71.30	80.00	11.00
Node 724	91.30	80.00	11.00
Node 725	111.30	80.00	11.00
Node 726	131.30	80.00	11.00
Node 727	76.30	80.00	11.00
Node 728	96.30	80.00	11.00
Node 729	116.30	80.00	11.00
Node 730	136.30	80.00	11.00
Node 731	63.80	60.00	12.40
Node 732	85.30	60.00	12.40
Node 733	105.30	60.00	12.40
Node 734	125.30	60.00	12.40
Node 735	66.30	60.00	12.40
Node 736	86.30	60.00	12.40
Node 737	106.30	60.00	12.40
Node 738	126.30	60.00	12.40
Node 739	63.80	80.00	9.50
Node 740	85.30	80.00	9.50
Node 741	105.30	80.00	9.50
Node 742	125.30	80.00	9.50
Node 743	66.30	80.00	9.50
Node 744	86.30	80.00	9.50
Node 745	106.30	80.00	9.50
Node 746	126.30	80.00	9.50
Node 747	81.30	60.00	12.40
Node 748	101.30	60.00	12.40
Node 749	121.30	60.00	12.40

Node 45	61.30	60.00	12.40
Node 46	61.30	80.00	9.50
Node 47	61.30	60.00	12.10
Node 48	61.30	80.00	9.20
Node 49	61.30	60.00	12.70
Node 50	61.30	80.00	9.80
Node 51	61.30	80.50	0.60
Node 52	61.30	80.50	9.50
Node 53	81.30	80.00	-0.50
Node 54	101.30	80.00	-0.50
Node 55	121.30	80.00	-0.50
Node 56	141.30	80.00	-0.50
Node 57	121.30	60.00	-0.50
Node 58	141.30	60.00	-0.50
Node 59	66.30	78.75	10.63
Node 60	86.30	78.75	10.63
Node 61	106.30	78.75	10.63
Node 62	126.30	78.75	10.63
Node 63	66.30	80.00	10.45
Node 64	86.30	80.00	10.45
Node 65	106.30	80.00	10.45
Node 66	126.30	80.00	10.45
Node 67	71.30	78.75	10.63
Node 68	91.30	78.75	10.63
Node 69	111.30	78.75	10.63
Node 70	131.30	78.75	10.63
Node 71	71.30	80.00	10.45
Node 72	91.30	80.00	10.45
Node 73	111.30	80.00	10.45
Node 74	131.30	80.00	10.45
Node 75	76.30	78.75	10.63
Node 76	96.30	78.75	10.63
Node 77	116.30	78.75	10.63
Node 78	136.30	78.75	10.63
Node 79	76.30	80.00	10.45
Node 80	96.30	80.00	10.45
Node 81	116.30	80.00	10.45
Node 82	136.30	80.00	10.45
Node 83	81.30	78.75	10.63
Node 84	101.30	78.75	10.63
Node 85	121.30	78.75	10.63
Node 86	141.30	78.75	10.63
Node 87	81.30	80.00	10.45
Node 88	101.30	80.00	10.45
Node 89	121.30	80.00	10.45
Node 90	141.30	80.00	10.45
Node 91	66.30	84.50	9.80
Node 92	86.30	84.50	9.80
Node 93	106.30	84.50	9.80
Node 94	126.30	84.50	9.80

Node 750	141.30	60.00	12.40
Node 751	81.30	60.00	12.10
Node 752	101.30	60.00	12.10
Node 753	121.30	60.00	12.10
Node 754	141.30	60.00	12.10
Node 755	81.30	80.00	9.50
Node 756	101.30	80.00	9.50
Node 757	121.30	80.00	9.50
Node 758	141.30	80.00	9.50
Node 759	81.30	80.00	9.20
Node 760	101.30	80.00	9.20
Node 761	121.30	80.00	9.20
Node 762	141.30	80.00	9.20
Node 763	81.30	60.00	12.70
Node 764	101.30	60.00	12.70
Node 765	121.30	60.00	12.70
Node 766	141.30	60.00	12.70
Node 767	81.30	80.00	9.80
Node 768	101.30	80.00	9.80
Node 769	121.30	80.00	9.80
Node 770	141.30	80.00	9.80
Node 771	66.30	80.00	9.80
Node 772	86.30	80.00	9.80
Node 773	106.30	80.00	9.80
Node 774	126.30	80.00	9.80
Node 775	71.30	80.00	9.80
Node 776	91.30	80.00	9.80
Node 777	111.30	80.00	9.80
Node 778	131.30	80.00	9.80
Node 779	76.30	80.00	9.80
Node 780	96.30	80.00	9.80
Node 781	116.30	80.00	9.80
Node 782	136.30	80.00	9.80
Node 783	66.30	60.00	12.70
Node 784	86.30	60.00	12.70
Node 785	106.30	60.00	12.70
Node 786	126.30	60.00	12.70
Node 787	71.30	60.00	12.70
Node 788	91.30	60.00	12.70
Node 789	111.30	60.00	12.70
Node 790	131.30	60.00	12.70
Node 791	76.30	60.00	12.70
Node 792	96.30	60.00	12.70
Node 793	116.30	60.00	12.70
Node 794	136.30	60.00	12.70
Node 795	76.30	60.00	12.40
Node 796	96.30	60.00	12.40
Node 797	116.30	60.00	12.40
Node 798	136.30	60.00	12.40
Node 799	71.30	60.00	12.40

Node 95	66.30	86.00	9.58
Node 96	86.30	86.00	9.58
Node 97	106.30	86.00	9.58
Node 98	126.30	86.00	9.58
Node 99	71.30	84.50	9.80
Node 100	91.30	84.50	9.80
Node 101	111.30	84.50	9.80
Node 102	131.30	84.50	9.80
Node 103	71.30	86.00	9.58
Node 104	91.30	86.00	9.58
Node 105	111.30	86.00	9.58
Node 106	131.30	86.00	9.58
Node 107	76.30	84.50	9.80
Node 108	96.30	84.50	9.80
Node 109	116.30	84.50	9.80
Node 110	136.30	84.50	9.80
Node 111	76.30	86.00	9.58
Node 112	96.30	86.00	9.58
Node 113	116.30	86.00	9.58
Node 114	136.30	86.00	9.58
Node 115	81.30	84.50	9.80
Node 116	101.30	84.50	9.80
Node 117	121.30	84.50	9.80
Node 118	141.30	84.50	9.80
Node 119	81.30	86.00	9.58
Node 120	101.30	86.00	9.58
Node 121	121.30	86.00	9.58
Node 122	141.30	86.00	9.58
Node 123	66.30	68.75	12.08
Node 124	86.30	68.75	12.08
Node 125	106.30	68.75	12.08
Node 126	126.30	68.75	12.08
Node 127	66.30	70.00	11.90
Node 128	86.30	70.00	11.90
Node 129	106.30	70.00	11.90
Node 130	126.30	70.00	11.90
Node 131	71.30	68.75	12.08
Node 132	91.30	68.75	12.08
Node 133	111.30	68.75	12.08
Node 134	131.30	68.75	12.08
Node 135	71.30	70.00	11.90
Node 136	91.30	70.00	11.90
Node 137	111.30	70.00	11.90
Node 138	131.30	70.00	11.90
Node 139	76.30	68.75	12.08
Node 140	96.30	68.75	12.08
Node 141	116.30	68.75	12.08
Node 142	136.30	68.75	12.08
Node 143	76.30	70.00	11.90
Node 144	96.30	70.00	11.90

Node 800	91.30	60.00	12.40
Node 801	111.30	60.00	12.40
Node 802	131.30	60.00	12.40
Node 803	76.30	80.00	9.50
Node 804	96.30	80.00	9.50
Node 805	116.30	80.00	9.50
Node 806	136.30	80.00	9.50
Node 807	71.30	80.00	9.50
Node 808	91.30	80.00	9.50
Node 809	111.30	80.00	9.50
Node 810	131.30	80.00	9.50
Node 811	77.30	60.00	12.40
Node 812	97.30	60.00	12.40
Node 813	117.30	60.00	12.40
Node 814	138.80	60.00	12.40
Node 815	73.80	60.00	12.40
Node 816	93.80	60.00	12.40
Node 817	113.80	60.00	12.40
Node 818	133.80	60.00	12.40
Node 819	68.80	60.00	12.40
Node 820	88.80	60.00	12.40
Node 821	108.80	60.00	12.40
Node 822	128.80	60.00	12.40
Node 823	77.30	80.00	9.50
Node 824	97.30	80.00	9.50
Node 825	117.30	80.00	9.50
Node 826	138.80	80.00	9.50
Node 827	73.80	80.00	9.50
Node 828	93.80	80.00	9.50
Node 829	113.80	80.00	9.50
Node 830	133.80	80.00	9.50
Node 831	68.80	80.00	9.50
Node 832	88.80	80.00	9.50
Node 833	108.80	80.00	9.50
Node 834	128.80	80.00	9.50
Node 835	101.30	60.00	-0.50
Node 836	81.30	60.00	-0.50
Node 837	66.30	80.50	0.60
Node 838	86.30	80.50	0.60
Node 839	106.30	80.50	0.60
Node 840	126.30	80.50	0.60
Node 841	66.30	80.50	9.50
Node 842	86.30	80.50	9.50
Node 843	106.30	80.50	9.50
Node 844	126.30	80.50	9.50
Node 845	71.30	80.50	0.60
Node 846	91.30	80.50	0.60
Node 847	111.30	80.50	0.60
Node 848	131.30	80.50	0.60
Node 849	71.30	80.50	9.50

Node 145	116.30	70.00	11.90
Node 146	136.30	70.00	11.90
Node 147	81.30	68.75	12.08
Node 148	101.30	68.75	12.08
Node 149	121.30	68.75	12.08
Node 150	141.30	68.75	12.08
Node 151	81.30	70.00	11.90
Node 152	101.30	70.00	11.90
Node 153	121.30	70.00	11.90
Node 154	141.30	70.00	11.90
Node 155	66.30	73.75	11.36
Node 156	86.30	73.75	11.36
Node 157	106.30	73.75	11.36
Node 158	126.30	73.75	11.36
Node 159	66.30	75.00	11.18
Node 160	86.30	75.00	11.18
Node 161	106.30	75.00	11.18
Node 162	126.30	75.00	11.18
Node 163	71.30	73.75	11.36
Node 164	91.30	73.75	11.36
Node 165	111.30	73.75	11.36
Node 166	131.30	73.75	11.36
Node 167	71.30	75.00	11.18
Node 168	91.30	75.00	11.18
Node 169	111.30	75.00	11.18
Node 170	131.30	75.00	11.18
Node 171	76.30	73.75	11.36
Node 172	96.30	73.75	11.36
Node 173	116.30	73.75	11.36
Node 174	136.30	73.75	11.36
Node 175	76.30	75.00	11.18
Node 176	96.30	75.00	11.18
Node 177	116.30	75.00	11.18
Node 178	136.30	75.00	11.18
Node 179	81.30	73.75	11.36
Node 180	101.30	73.75	11.36
Node 181	121.30	73.75	11.36
Node 182	141.30	73.75	11.36
Node 183	81.30	75.00	11.18
Node 184	101.30	75.00	11.18
Node 185	121.30	75.00	11.18
Node 186	141.30	75.00	11.18
Node 187	66.30	63.75	12.81
Node 188	86.30	63.75	12.81
Node 189	106.30	63.75	12.81
Node 190	126.30	63.75	12.81
Node 191	66.30	65.00	12.63
Node 192	86.30	65.00	12.63
Node 193	106.30	65.00	12.63
Node 194	126.30	65.00	12.63

Node 850	91.30	80.50	9.50
Node 851	111.30	80.50	9.50
Node 852	131.30	80.50	9.50
Node 853	76.30	80.50	0.60
Node 854	96.30	80.50	0.60
Node 855	116.30	80.50	0.60
Node 856	136.30	80.50	0.60
Node 857	76.30	80.50	9.50
Node 858	96.30	80.50	9.50
Node 859	116.30	80.50	9.50
Node 860	136.30	80.50	9.50
Node 861	81.30	80.50	0.60
Node 862	101.30	80.50	0.60
Node 863	121.30	80.50	0.60
Node 864	141.30	80.50	0.60
Node 865	81.30	80.50	9.50
Node 866	101.30	80.50	9.50
Node 867	121.30	80.50	9.50
Node 868	141.30	80.50	9.50
Node 869	61.30	58.75	6.80
Node 870	61.30	58.75	12.20
Node 871	66.30	58.75	6.80
Node 872	66.30	58.75	12.20
Node 873	86.30	58.75	6.80
Node 874	86.30	58.75	12.20
Node 875	106.30	58.75	6.80
Node 876	106.30	58.75	12.20
Node 877	126.30	58.75	6.80
Node 878	126.30	58.75	12.20
Node 879	71.30	58.75	6.80
Node 880	71.30	58.75	12.20
Node 881	91.30	58.75	6.80
Node 882	91.30	58.75	12.20
Node 883	111.30	58.75	6.80
Node 884	111.30	58.75	12.20
Node 885	131.30	58.75	6.80
Node 886	131.30	58.75	12.20
Node 887	76.30	58.75	6.80
Node 888	76.30	58.75	12.20
Node 889	96.30	58.75	6.80
Node 890	96.30	58.75	12.20
Node 891	116.30	58.75	6.80
Node 892	116.30	58.75	12.20
Node 893	136.30	58.75	6.80
Node 894	136.30	58.75	12.20
Node 895	81.30	58.75	6.80
Node 896	81.30	58.75	12.20
Node 897	101.30	58.75	6.80
Node 898	101.30	58.75	12.20
Node 899	121.30	58.75	6.80

Node 195	71.30	63.75	12.81
Node 196	91.30	63.75	12.81
Node 197	111.30	63.75	12.81
Node 198	131.30	63.75	12.81
Node 199	71.30	65.00	12.63
Node 200	91.30	65.00	12.63
Node 201	111.30	65.00	12.63
Node 202	131.30	65.00	12.63
Node 203	76.30	63.75	12.81
Node 204	96.30	63.75	12.81
Node 205	116.30	63.75	12.81
Node 206	136.30	63.75	12.81
Node 207	76.30	65.00	12.63
Node 208	96.30	65.00	12.63
Node 209	116.30	65.00	12.63
Node 210	136.30	65.00	12.63
Node 211	81.30	63.75	12.81
Node 212	101.30	63.75	12.81
Node 213	121.30	63.75	12.81
Node 214	141.30	63.75	12.81
Node 215	81.30	65.00	12.63
Node 216	101.30	65.00	12.63
Node 217	121.30	65.00	12.63
Node 218	141.30	65.00	12.63
Node 219	66.30	76.25	10.99
Node 220	86.30	76.25	10.99
Node 221	106.30	76.25	10.99
Node 222	126.30	76.25	10.99
Node 223	66.30	77.50	10.81
Node 224	86.30	77.50	10.81
Node 225	106.30	77.50	10.81
Node 226	126.30	77.50	10.81
Node 227	71.30	76.25	10.99
Node 228	91.30	76.25	10.99
Node 229	111.30	76.25	10.99
Node 230	131.30	76.25	10.99
Node 231	71.30	77.50	10.81
Node 232	91.30	77.50	10.81
Node 233	111.30	77.50	10.81
Node 234	131.30	77.50	10.81
Node 235	76.30	76.25	10.99
Node 236	96.30	76.25	10.99
Node 237	116.30	76.25	10.99
Node 238	136.30	76.25	10.99
Node 239	76.30	77.50	10.81
Node 240	96.30	77.50	10.81
Node 241	116.30	77.50	10.81
Node 242	136.30	77.50	10.81
Node 243	81.30	76.25	10.99
Node 244	101.30	76.25	10.99

Node 900	121.30	58.75	12.20
Node 901	141.30	58.75	6.80
Node 902	141.30	58.75	12.20
Node 903	61.30	80.00	11.01
Node 904	61.30	78.75	11.19
Node 905	66.30	78.75	11.19
Node 906	66.30	80.00	11.01
Node 907	81.30	80.00	11.01
Node 908	81.30	78.75	11.19
Node 909	86.30	78.75	11.19
Node 910	86.30	80.00	11.01
Node 911	101.30	80.00	11.01
Node 912	101.30	78.75	11.19
Node 913	106.30	78.75	11.19
Node 914	106.30	80.00	11.01
Node 915	121.30	80.00	11.01
Node 916	121.30	78.75	11.19
Node 917	126.30	78.75	11.19
Node 918	126.30	80.00	11.01
Node 919	61.30	86.00	10.14
Node 920	61.30	84.50	10.36
Node 921	66.30	84.50	10.36
Node 922	66.30	86.00	10.14
Node 923	81.30	86.00	10.14
Node 924	81.30	84.50	10.36
Node 925	86.30	84.50	10.36
Node 926	86.30	86.00	10.14
Node 927	101.30	86.00	10.14
Node 928	101.30	84.50	10.36
Node 929	106.30	84.50	10.36
Node 930	106.30	86.00	10.14
Node 931	121.30	86.00	10.14
Node 932	121.30	84.50	10.36
Node 933	126.30	84.50	10.36
Node 934	126.30	86.00	10.14
Node 935	61.30	70.00	12.46
Node 936	61.30	68.75	12.64
Node 937	66.30	68.75	12.64
Node 938	66.30	70.00	12.46
Node 939	81.30	70.00	12.46
Node 940	81.30	68.75	12.64
Node 941	86.30	68.75	12.64
Node 942	86.30	70.00	12.46
Node 943	101.30	70.00	12.46
Node 944	101.30	68.75	12.64
Node 945	106.30	68.75	12.64
Node 946	106.30	70.00	12.46
Node 947	121.30	70.00	12.46
Node 948	121.30	68.75	12.64
Node 949	126.30	68.75	12.64

Node 245	121.30	76.25	10.99
Node 246	141.30	76.25	10.99
Node 247	81.30	77.50	10.81
Node 248	101.30	77.50	10.81
Node 249	121.30	77.50	10.81
Node 250	141.30	77.50	10.81
Node 251	66.30	81.50	10.23
Node 252	86.30	81.50	10.23
Node 253	106.30	81.50	10.23
Node 254	126.30	81.50	10.23
Node 255	66.30	83.00	10.02
Node 256	86.30	83.00	10.02
Node 257	106.30	83.00	10.02
Node 258	126.30	83.00	10.02
Node 259	71.30	81.50	10.23
Node 260	91.30	81.50	10.23
Node 261	111.30	81.50	10.23
Node 262	131.30	81.50	10.23
Node 263	71.30	83.00	10.02
Node 264	91.30	83.00	10.02
Node 265	111.30	83.00	10.02
Node 266	131.30	83.00	10.02
Node 267	76.30	81.50	10.23
Node 268	96.30	81.50	10.23
Node 269	116.30	81.50	10.23
Node 270	136.30	81.50	10.23
Node 271	76.30	83.00	10.02
Node 272	96.30	83.00	10.02
Node 273	116.30	83.00	10.02
Node 274	136.30	83.00	10.02
Node 275	81.30	81.50	10.23
Node 276	101.30	81.50	10.23
Node 277	121.30	81.50	10.23
Node 278	141.30	81.50	10.23
Node 279	81.30	83.00	10.02
Node 280	101.30	83.00	10.02
Node 281	121.30	83.00	10.02
Node 282	141.30	83.00	10.02
Node 283	66.30	66.25	12.44
Node 284	86.30	66.25	12.44
Node 285	106.30	66.25	12.44
Node 286	126.30	66.25	12.44
Node 287	66.30	67.50	12.26
Node 288	86.30	67.50	12.26
Node 289	106.30	67.50	12.26
Node 290	126.30	67.50	12.26
Node 291	71.30	66.25	12.44
Node 292	91.30	66.25	12.44
Node 293	111.30	66.25	12.44
Node 294	131.30	66.25	12.44

Node 950	126.30	70.00	12.46
Node 951	61.30	75.00	11.74
Node 952	61.30	73.75	11.92
Node 953	66.30	73.75	11.92
Node 954	66.30	75.00	11.74
Node 955	81.30	75.00	11.74
Node 956	81.30	73.75	11.92
Node 957	86.30	73.75	11.92
Node 958	86.30	75.00	11.74
Node 959	101.30	75.00	11.74
Node 960	101.30	73.75	11.92
Node 961	106.30	73.75	11.92
Node 962	106.30	75.00	11.74
Node 963	121.30	75.00	11.74
Node 964	121.30	73.75	11.92
Node 965	126.30	73.75	11.92
Node 966	126.30	75.00	11.74
Node 967	61.30	65.00	13.19
Node 968	61.30	63.75	13.37
Node 969	66.30	63.75	13.37
Node 970	66.30	65.00	13.19
Node 971	81.30	65.00	13.19
Node 972	81.30	63.75	13.37
Node 973	86.30	63.75	13.37
Node 974	86.30	65.00	13.19
Node 975	101.30	65.00	13.19
Node 976	101.30	63.75	13.37
Node 977	106.30	63.75	13.37
Node 978	106.30	65.00	13.19
Node 979	121.30	65.00	13.19
Node 980	121.30	63.75	13.37
Node 981	126.30	63.75	13.37
Node 982	126.30	65.00	13.19
Node 983	71.30	78.75	11.19
Node 984	71.30	80.00	11.01
Node 985	91.30	78.75	11.19
Node 986	91.30	80.00	11.01
Node 987	111.30	78.75	11.19
Node 988	111.30	80.00	11.01
Node 989	131.30	78.75	11.19
Node 990	131.30	80.00	11.01
Node 991	76.30	78.75	11.19
Node 992	76.30	80.00	11.01
Node 993	96.30	78.75	11.19
Node 994	96.30	80.00	11.01
Node 995	116.30	78.75	11.19
Node 996	116.30	80.00	11.01
Node 997	136.30	78.75	11.19
Node 998	136.30	80.00	11.01
Node 999	141.30	78.75	11.19

Node 295	71.30	67.50	12.26
Node 296	91.30	67.50	12.26
Node 297	111.30	67.50	12.26
Node 298	131.30	67.50	12.26
Node 299	76.30	66.25	12.44
Node 300	96.30	66.25	12.44
Node 301	116.30	66.25	12.44
Node 302	136.30	66.25	12.44
Node 303	76.30	67.50	12.26
Node 304	96.30	67.50	12.26
Node 305	116.30	67.50	12.26
Node 306	136.30	67.50	12.26
Node 307	81.30	66.25	12.44
Node 308	101.30	66.25	12.44
Node 309	121.30	66.25	12.44
Node 310	141.30	66.25	12.44
Node 311	81.30	67.50	12.26
Node 312	101.30	67.50	12.26
Node 313	121.30	67.50	12.26
Node 314	141.30	67.50	12.26
Node 315	66.30	71.25	11.72
Node 316	86.30	71.25	11.72
Node 317	106.30	71.25	11.72
Node 318	126.30	71.25	11.72
Node 319	66.30	72.50	11.54
Node 320	86.30	72.50	11.54
Node 321	106.30	72.50	11.54
Node 322	126.30	72.50	11.54
Node 323	71.30	71.25	11.72
Node 324	91.30	71.25	11.72
Node 325	111.30	71.25	11.72
Node 326	131.30	71.25	11.72
Node 327	71.30	72.50	11.54
Node 328	91.30	72.50	11.54
Node 329	111.30	72.50	11.54
Node 330	131.30	72.50	11.54
Node 331	76.30	71.25	11.72
Node 332	96.30	71.25	11.72
Node 333	116.30	71.25	11.72
Node 334	136.30	71.25	11.72
Node 335	76.30	72.50	11.54
Node 336	96.30	72.50	11.54
Node 337	116.30	72.50	11.54
Node 338	136.30	72.50	11.54
Node 339	81.30	71.25	11.72
Node 340	101.30	71.25	11.72
Node 341	121.30	71.25	11.72
Node 342	141.30	71.25	11.72
Node 343	81.30	72.50	11.54
Node 344	101.30	72.50	11.54

Node 1000	141.30	80.00	11.01
Node 1001	71.30	84.50	10.36
Node 1002	71.30	86.00	10.14
Node 1003	91.30	84.50	10.36
Node 1004	91.30	86.00	10.14
Node 1005	111.30	84.50	10.36
Node 1006	111.30	86.00	10.14
Node 1007	131.30	84.50	10.36
Node 1008	131.30	86.00	10.14
Node 1009	76.30	84.50	10.36
Node 1010	76.30	86.00	10.14
Node 1011	96.30	84.50	10.36
Node 1012	96.30	86.00	10.14
Node 1013	116.30	84.50	10.36
Node 1014	116.30	86.00	10.14
Node 1015	136.30	84.50	10.36
Node 1016	136.30	86.00	10.14
Node 1017	141.30	84.50	10.36
Node 1018	141.30	86.00	10.14
Node 1019	71.30	68.75	12.64
Node 1020	71.30	70.00	12.46
Node 1021	91.30	68.75	12.64
Node 1022	91.30	70.00	12.46
Node 1023	111.30	68.75	12.64
Node 1024	111.30	70.00	12.46
Node 1025	131.30	68.75	12.64
Node 1026	131.30	70.00	12.46
Node 1027	76.30	68.75	12.64
Node 1028	76.30	70.00	12.46
Node 1029	96.30	68.75	12.64
Node 1030	96.30	70.00	12.46
Node 1031	116.30	68.75	12.64
Node 1032	116.30	70.00	12.46
Node 1033	136.30	68.75	12.64
Node 1034	136.30	70.00	12.46
Node 1035	141.30	68.75	12.64
Node 1036	141.30	70.00	12.46
Node 1037	71.30	73.75	11.92
Node 1038	71.30	75.00	11.74
Node 1039	91.30	73.75	11.92
Node 1040	91.30	75.00	11.74
Node 1041	111.30	73.75	11.92
Node 1042	111.30	75.00	11.74
Node 1043	131.30	73.75	11.92
Node 1044	131.30	75.00	11.74
Node 1045	76.30	73.75	11.92
Node 1046	76.30	75.00	11.74
Node 1047	96.30	73.75	11.92
Node 1048	96.30	75.00	11.74
Node 1049	116.30	73.75	11.92

Node 345	121.30	72.50	11.54
Node 346	141.30	72.50	11.54
Node 347	66.30	60.00	13.35
Node 348	86.30	60.00	13.35
Node 349	106.30	60.00	13.35
Node 350	126.30	60.00	13.35
Node 351	66.30	61.25	13.17
Node 352	86.30	61.25	13.17
Node 353	106.30	61.25	13.17
Node 354	126.30	61.25	13.17
Node 355	66.30	62.50	12.99
Node 356	86.30	62.50	12.99
Node 357	106.30	62.50	12.99
Node 358	126.30	62.50	12.99
Node 359	71.30	60.00	13.35
Node 360	91.30	60.00	13.35
Node 361	111.30	60.00	13.35
Node 362	131.30	60.00	13.35
Node 363	71.30	61.25	13.17
Node 364	91.30	61.25	13.17
Node 365	111.30	61.25	13.17
Node 366	131.30	61.25	13.17
Node 367	71.30	62.50	12.99
Node 368	91.30	62.50	12.99
Node 369	111.30	62.50	12.99
Node 370	131.30	62.50	12.99
Node 371	76.30	60.00	13.35
Node 372	96.30	60.00	13.35
Node 373	116.30	60.00	13.35
Node 374	136.30	60.00	13.35
Node 375	76.30	61.25	13.17
Node 376	96.30	61.25	13.17
Node 377	116.30	61.25	13.17
Node 378	136.30	61.25	13.17
Node 379	76.30	62.50	12.99
Node 380	96.30	62.50	12.99
Node 381	116.30	62.50	12.99
Node 382	136.30	62.50	12.99
Node 383	81.30	60.00	13.35
Node 384	101.30	60.00	13.35
Node 385	121.30	60.00	13.35
Node 386	141.30	60.00	13.35
Node 387	81.30	61.25	13.17
Node 388	101.30	61.25	13.17
Node 389	121.30	61.25	13.17
Node 390	141.30	61.25	13.17
Node 391	81.30	62.50	12.99
Node 392	101.30	62.50	12.99
Node 393	121.30	62.50	12.99
Node 394	141.30	62.50	12.99

Node 1050	116.30	75.00	11.74
Node 1051	136.30	73.75	11.92
Node 1052	136.30	75.00	11.74
Node 1053	141.30	73.75	11.92
Node 1054	141.30	75.00	11.74
Node 1055	71.30	63.75	13.37
Node 1056	71.30	65.00	13.19
Node 1057	91.30	63.75	13.37
Node 1058	91.30	65.00	13.19
Node 1059	111.30	63.75	13.37
Node 1060	111.30	65.00	13.19
Node 1061	131.30	63.75	13.37
Node 1062	131.30	65.00	13.19
Node 1063	76.30	63.75	13.37
Node 1064	76.30	65.00	13.19
Node 1065	96.30	63.75	13.37
Node 1066	96.30	65.00	13.19
Node 1067	116.30	63.75	13.37
Node 1068	116.30	65.00	13.19
Node 1069	136.30	63.75	13.37
Node 1070	136.30	65.00	13.19
Node 1071	141.30	63.75	13.37
Node 1072	141.30	65.00	13.19
Node 1073	61.30	76.25	11.55
Node 1074	66.30	76.25	11.55
Node 1075	81.30	76.25	11.55
Node 1076	86.30	76.25	11.55
Node 1077	101.30	76.25	11.55
Node 1078	106.30	76.25	11.55
Node 1079	121.30	76.25	11.55
Node 1080	126.30	76.25	11.55
Node 1081	61.30	77.50	11.37
Node 1082	66.30	77.50	11.37
Node 1083	81.30	77.50	11.37
Node 1084	86.30	77.50	11.37
Node 1085	101.30	77.50	11.37
Node 1086	106.30	77.50	11.37
Node 1087	121.30	77.50	11.37
Node 1088	126.30	77.50	11.37
Node 1089	61.30	81.50	10.79
Node 1090	66.30	81.50	10.79
Node 1091	81.30	81.50	10.79
Node 1092	86.30	81.50	10.79
Node 1093	101.30	81.50	10.79
Node 1094	106.30	81.50	10.79
Node 1095	121.30	81.50	10.79
Node 1096	126.30	81.50	10.79
Node 1097	61.30	83.00	10.58
Node 1098	66.30	83.00	10.58
Node 1099	81.30	83.00	10.58

Node 395	81.30	86.00	10.13
Node 396	101.30	86.00	10.13
Node 397	121.30	86.00	10.13
Node 398	141.30	86.00	10.13
Node 399	66.30	86.00	10.13
Node 400	86.30	86.00	10.13
Node 401	106.30	86.00	10.13
Node 402	126.30	86.00	10.13
Node 403	71.30	86.00	10.13
Node 404	91.30	86.00	10.13
Node 405	111.30	86.00	10.13
Node 406	131.30	86.00	10.13
Node 407	76.30	86.00	10.13
Node 408	96.30	86.00	10.13
Node 409	116.30	86.00	10.13
Node 410	136.30	86.00	10.13
Node 411	81.30	70.00	12.45
Node 412	101.30	70.00	12.45
Node 413	121.30	70.00	12.45
Node 414	141.30	70.00	12.45
Node 415	66.30	70.00	12.45
Node 416	86.30	70.00	12.45
Node 417	106.30	70.00	12.45
Node 418	126.30	70.00	12.45
Node 419	71.30	70.00	12.45
Node 420	91.30	70.00	12.45
Node 421	111.30	70.00	12.45
Node 422	131.30	70.00	12.45
Node 423	76.30	70.00	12.45
Node 424	96.30	70.00	12.45
Node 425	116.30	70.00	12.45
Node 426	136.30	70.00	12.45
Node 427	81.30	75.00	11.73
Node 428	101.30	75.00	11.73
Node 429	121.30	75.00	11.73
Node 430	141.30	75.00	11.73
Node 431	66.30	75.00	11.73
Node 432	86.30	75.00	11.73
Node 433	106.30	75.00	11.73
Node 434	126.30	75.00	11.73
Node 435	71.30	75.00	11.73
Node 436	91.30	75.00	11.73
Node 437	111.30	75.00	11.73
Node 438	131.30	75.00	11.73
Node 439	76.30	75.00	11.73
Node 440	96.30	75.00	11.73
Node 441	116.30	75.00	11.73
Node 442	136.30	75.00	11.73
Node 443	81.30	65.00	13.18
Node 444	101.30	65.00	13.18

Node 1100	86.30	83.00	10.58
Node 1101	101.30	83.00	10.58
Node 1102	106.30	83.00	10.58
Node 1103	121.30	83.00	10.58
Node 1104	126.30	83.00	10.58
Node 1105	61.30	66.25	13.00
Node 1106	66.30	66.25	13.00
Node 1107	81.30	66.25	13.00
Node 1108	86.30	66.25	13.00
Node 1109	101.30	66.25	13.00
Node 1110	106.30	66.25	13.00
Node 1111	121.30	66.25	13.00
Node 1112	126.30	66.25	13.00
Node 1113	61.30	67.50	12.82
Node 1114	66.30	67.50	12.82
Node 1115	81.30	67.50	12.82
Node 1116	86.30	67.50	12.82
Node 1117	101.30	67.50	12.82
Node 1118	106.30	67.50	12.82
Node 1119	121.30	67.50	12.82
Node 1120	126.30	67.50	12.82
Node 1121	61.30	71.25	12.28
Node 1122	66.30	71.25	12.28
Node 1123	81.30	71.25	12.28
Node 1124	86.30	71.25	12.28
Node 1125	101.30	71.25	12.28
Node 1126	106.30	71.25	12.28
Node 1127	121.30	71.25	12.28
Node 1128	126.30	71.25	12.28
Node 1129	61.30	72.50	12.10
Node 1130	66.30	72.50	12.10
Node 1131	81.30	72.50	12.10
Node 1132	86.30	72.50	12.10
Node 1133	101.30	72.50	12.10
Node 1134	106.30	72.50	12.10
Node 1135	121.30	72.50	12.10
Node 1136	126.30	72.50	12.10
Node 1137	61.30	61.25	13.73
Node 1138	61.30	60.00	13.91
Node 1139	66.30	60.00	13.91
Node 1140	66.30	61.25	13.73
Node 1141	81.30	61.25	13.73
Node 1142	81.30	60.00	13.91
Node 1143	86.30	60.00	13.91
Node 1144	86.30	61.25	13.73
Node 1145	101.30	61.25	13.73
Node 1146	101.30	60.00	13.91
Node 1147	106.30	60.00	13.91
Node 1148	106.30	61.25	13.73
Node 1149	121.30	61.25	13.73

Node 445	121.30	65.00	13.18
Node 446	141.30	65.00	13.18
Node 447	66.30	65.00	13.18
Node 448	86.30	65.00	13.18
Node 449	106.30	65.00	13.18
Node 450	126.30	65.00	13.18
Node 451	71.30	65.00	13.18
Node 452	91.30	65.00	13.18
Node 453	111.30	65.00	13.18
Node 454	131.30	65.00	13.18
Node 455	76.30	65.00	13.18
Node 456	96.30	65.00	13.18
Node 457	116.30	65.00	13.18
Node 458	136.30	65.00	13.18
Node 459	81.30	76.25	11.54
Node 460	101.30	76.25	11.54
Node 461	121.30	76.25	11.54
Node 462	141.30	76.25	11.54
Node 463	66.30	76.25	11.54
Node 464	86.30	76.25	11.54
Node 465	106.30	76.25	11.54
Node 466	126.30	76.25	11.54
Node 467	71.30	76.25	11.54
Node 468	91.30	76.25	11.54
Node 469	111.30	76.25	11.54
Node 470	131.30	76.25	11.54
Node 471	76.30	76.25	11.54
Node 472	96.30	76.25	11.54
Node 473	116.30	76.25	11.54
Node 474	136.30	76.25	11.54
Node 475	81.30	77.50	11.36
Node 476	101.30	77.50	11.36
Node 477	121.30	77.50	11.36
Node 478	141.30	77.50	11.36
Node 479	66.30	77.50	11.36
Node 480	86.30	77.50	11.36
Node 481	106.30	77.50	11.36
Node 482	126.30	77.50	11.36
Node 483	71.30	77.50	11.36
Node 484	91.30	77.50	11.36
Node 485	111.30	77.50	11.36
Node 486	131.30	77.50	11.36
Node 487	76.30	77.50	11.36
Node 488	96.30	77.50	11.36
Node 489	116.30	77.50	11.36
Node 490	136.30	77.50	11.36
Node 491	81.30	78.75	11.18
Node 492	101.30	78.75	11.18
Node 493	121.30	78.75	11.18
Node 494	141.30	78.75	11.18

Node 1150	121.30	60.00	13.91
Node 1151	126.30	60.00	13.91
Node 1152	126.30	61.25	13.73
Node 1153	61.30	62.50	13.55
Node 1154	66.30	62.50	13.55
Node 1155	81.30	62.50	13.55
Node 1156	86.30	62.50	13.55
Node 1157	101.30	62.50	13.55
Node 1158	106.30	62.50	13.55
Node 1159	121.30	62.50	13.55
Node 1160	126.30	62.50	13.55
Node 1161	71.30	76.25	11.55
Node 1162	91.30	76.25	11.55
Node 1163	111.30	76.25	11.55
Node 1164	131.30	76.25	11.55
Node 1165	71.30	77.50	11.37
Node 1166	91.30	77.50	11.37
Node 1167	111.30	77.50	11.37
Node 1168	131.30	77.50	11.37
Node 1169	76.30	76.25	11.55
Node 1170	96.30	76.25	11.55
Node 1171	116.30	76.25	11.55
Node 1172	136.30	76.25	11.55
Node 1173	76.30	77.50	11.37
Node 1174	96.30	77.50	11.37
Node 1175	116.30	77.50	11.37
Node 1176	136.30	77.50	11.37
Node 1177	141.30	76.25	11.55
Node 1178	141.30	77.50	11.37
Node 1179	71.30	81.50	10.79
Node 1180	91.30	81.50	10.79
Node 1181	111.30	81.50	10.79
Node 1182	131.30	81.50	10.79
Node 1183	71.30	83.00	10.58
Node 1184	91.30	83.00	10.58
Node 1185	111.30	83.00	10.58
Node 1186	131.30	83.00	10.58
Node 1187	76.30	81.50	10.79
Node 1188	96.30	81.50	10.79
Node 1189	116.30	81.50	10.79
Node 1190	136.30	81.50	10.79
Node 1191	76.30	83.00	10.58
Node 1192	96.30	83.00	10.58
Node 1193	116.30	83.00	10.58
Node 1194	136.30	83.00	10.58
Node 1195	141.30	81.50	10.79
Node 1196	141.30	83.00	10.58
Node 1197	71.30	66.25	13.00
Node 1198	91.30	66.25	13.00
Node 1199	111.30	66.25	13.00

Node 495	66.30	78.75	11.18
Node 496	86.30	78.75	11.18
Node 497	106.30	78.75	11.18
Node 498	126.30	78.75	11.18
Node 499	71.30	78.75	11.18
Node 500	91.30	78.75	11.18
Node 501	111.30	78.75	11.18
Node 502	131.30	78.75	11.18
Node 503	76.30	78.75	11.18
Node 504	96.30	78.75	11.18
Node 505	116.30	78.75	11.18
Node 506	136.30	78.75	11.18
Node 507	81.30	81.50	10.78
Node 508	101.30	81.50	10.78
Node 509	121.30	81.50	10.78
Node 510	141.30	81.50	10.78
Node 511	66.30	81.50	10.78
Node 512	86.30	81.50	10.78
Node 513	106.30	81.50	10.78
Node 514	126.30	81.50	10.78
Node 515	71.30	81.50	10.78
Node 516	91.30	81.50	10.78
Node 517	111.30	81.50	10.78
Node 518	131.30	81.50	10.78
Node 519	76.30	81.50	10.78
Node 520	96.30	81.50	10.78
Node 521	116.30	81.50	10.78
Node 522	136.30	81.50	10.78
Node 523	81.30	83.00	10.57
Node 524	101.30	83.00	10.57
Node 525	121.30	83.00	10.57
Node 526	141.30	83.00	10.57
Node 527	66.30	83.00	10.57
Node 528	86.30	83.00	10.57
Node 529	106.30	83.00	10.57
Node 530	126.30	83.00	10.57
Node 531	71.30	83.00	10.57
Node 532	91.30	83.00	10.57
Node 533	111.30	83.00	10.57
Node 534	131.30	83.00	10.57
Node 535	76.30	83.00	10.57
Node 536	96.30	83.00	10.57
Node 537	116.30	83.00	10.57
Node 538	136.30	83.00	10.57
Node 539	81.30	84.50	10.35
Node 540	101.30	84.50	10.35
Node 541	121.30	84.50	10.35
Node 542	141.30	84.50	10.35
Node 543	66.30	84.50	10.35
Node 544	86.30	84.50	10.35

Node 1200	131.30	66.25	13.00
Node 1201	71.30	67.50	12.82
Node 1202	91.30	67.50	12.82
Node 1203	111.30	67.50	12.82
Node 1204	131.30	67.50	12.82
Node 1205	76.30	66.25	13.00
Node 1206	96.30	66.25	13.00
Node 1207	116.30	66.25	13.00
Node 1208	136.30	66.25	13.00
Node 1209	76.30	67.50	12.82
Node 1210	96.30	67.50	12.82
Node 1211	116.30	67.50	12.82
Node 1212	136.30	67.50	12.82
Node 1213	141.30	66.25	13.00
Node 1214	141.30	67.50	12.82
Node 1215	71.30	71.25	12.28
Node 1216	91.30	71.25	12.28
Node 1217	111.30	71.25	12.28
Node 1218	131.30	71.25	12.28
Node 1219	71.30	72.50	12.10
Node 1220	91.30	72.50	12.10
Node 1221	111.30	72.50	12.10
Node 1222	131.30	72.50	12.10
Node 1223	76.30	71.25	12.28
Node 1224	96.30	71.25	12.28
Node 1225	116.30	71.25	12.28
Node 1226	136.30	71.25	12.28
Node 1227	76.30	72.50	12.10
Node 1228	96.30	72.50	12.10
Node 1229	116.30	72.50	12.10
Node 1230	136.30	72.50	12.10
Node 1231	141.30	71.25	12.28
Node 1232	141.30	72.50	12.10
Node 1233	71.30	60.00	13.91
Node 1234	71.30	61.25	13.73
Node 1235	91.30	60.00	13.91
Node 1236	91.30	61.25	13.73
Node 1237	111.30	60.00	13.91
Node 1238	111.30	61.25	13.73
Node 1239	131.30	60.00	13.91
Node 1240	131.30	61.25	13.73
Node 1241	71.30	62.50	13.55
Node 1242	91.30	62.50	13.55
Node 1243	111.30	62.50	13.55
Node 1244	131.30	62.50	13.55
Node 1245	76.30	60.00	13.91
Node 1246	76.30	61.25	13.73
Node 1247	96.30	60.00	13.91
Node 1248	96.30	61.25	13.73
Node 1249	116.30	60.00	13.91

Node 545	106.30	84.50	10.35
Node 546	126.30	84.50	10.35
Node 547	71.30	84.50	10.35
Node 548	91.30	84.50	10.35
Node 549	111.30	84.50	10.35
Node 550	131.30	84.50	10.35
Node 551	76.30	84.50	10.35
Node 552	96.30	84.50	10.35
Node 553	116.30	84.50	10.35
Node 554	136.30	84.50	10.35
Node 555	81.30	66.25	12.99
Node 556	101.30	66.25	12.99
Node 557	121.30	66.25	12.99
Node 558	141.30	66.25	12.99
Node 559	66.30	66.25	12.99
Node 560	86.30	66.25	12.99
Node 561	106.30	66.25	12.99
Node 562	126.30	66.25	12.99
Node 563	71.30	66.25	12.99
Node 564	91.30	66.25	12.99
Node 565	111.30	66.25	12.99
Node 566	131.30	66.25	12.99
Node 567	76.30	66.25	12.99
Node 568	96.30	66.25	12.99
Node 569	116.30	66.25	12.99
Node 570	136.30	66.25	12.99
Node 571	81.30	67.50	12.81
Node 572	101.30	67.50	12.81
Node 573	121.30	67.50	12.81
Node 574	141.30	67.50	12.81
Node 575	66.30	67.50	12.81
Node 576	86.30	67.50	12.81
Node 577	106.30	67.50	12.81
Node 578	126.30	67.50	12.81
Node 579	71.30	67.50	12.81
Node 580	91.30	67.50	12.81
Node 581	111.30	67.50	12.81
Node 582	131.30	67.50	12.81
Node 583	76.30	67.50	12.81
Node 584	96.30	67.50	12.81
Node 585	116.30	67.50	12.81
Node 586	136.30	67.50	12.81
Node 587	81.30	68.75	12.63
Node 588	101.30	68.75	12.63
Node 589	121.30	68.75	12.63
Node 590	141.30	68.75	12.63
Node 591	66.30	68.75	12.63
Node 592	86.30	68.75	12.63
Node 593	106.30	68.75	12.63
Node 594	126.30	68.75	12.63

Node 1250	116.30	61.25	13.73
Node 1251	136.30	60.00	13.91
Node 1252	136.30	61.25	13.73
Node 1253	76.30	62.50	13.55
Node 1254	96.30	62.50	13.55
Node 1255	116.30	62.50	13.55
Node 1256	136.30	62.50	13.55
Node 1257	141.30	60.00	13.91
Node 1258	141.30	61.25	13.73
Node 1259	141.30	62.50	13.55
Node 1260	61.30	56.25	13.65
Node 1261	61.30	57.50	13.55
Node 1262	61.30	58.75	13.45
Node 1263	61.30	56.25	14.20
Node 1264	61.30	57.50	14.10
Node 1265	61.30	58.75	14.00
Node 1266	66.30	56.25	13.65
Node 1267	66.30	57.50	13.55
Node 1268	86.30	56.25	13.65
Node 1269	86.30	57.50	13.55
Node 1270	106.30	56.25	13.65
Node 1271	106.30	57.50	13.55
Node 1272	126.30	56.25	13.65
Node 1273	126.30	57.50	13.55
Node 1274	66.30	58.75	13.45
Node 1275	86.30	58.75	13.45
Node 1276	106.30	58.75	13.45
Node 1277	126.30	58.75	13.45
Node 1278	71.30	56.25	13.65
Node 1279	71.30	57.50	13.55
Node 1280	91.30	56.25	13.65
Node 1281	91.30	57.50	13.55
Node 1282	111.30	56.25	13.65
Node 1283	111.30	57.50	13.55
Node 1284	131.30	56.25	13.65
Node 1285	131.30	57.50	13.55
Node 1286	71.30	58.75	13.45
Node 1287	91.30	58.75	13.45
Node 1288	111.30	58.75	13.45
Node 1289	131.30	58.75	13.45
Node 1290	76.30	56.25	13.65
Node 1291	76.30	57.50	13.55
Node 1292	96.30	56.25	13.65
Node 1293	96.30	57.50	13.55
Node 1294	116.30	56.25	13.65
Node 1295	116.30	57.50	13.55
Node 1296	136.30	56.25	13.65
Node 1297	136.30	57.50	13.55
Node 1298	76.30	58.75	13.45
Node 1299	96.30	58.75	13.45

Node 595	71.30	68.75	12.63
Node 596	91.30	68.75	12.63
Node 597	111.30	68.75	12.63
Node 598	131.30	68.75	12.63
Node 599	76.30	68.75	12.63
Node 600	96.30	68.75	12.63
Node 601	116.30	68.75	12.63
Node 602	136.30	68.75	12.63
Node 603	81.30	71.25	12.27
Node 604	101.30	71.25	12.27
Node 605	121.30	71.25	12.27
Node 606	141.30	71.25	12.27
Node 607	66.30	71.25	12.27
Node 608	86.30	71.25	12.27
Node 609	106.30	71.25	12.27
Node 610	126.30	71.25	12.27
Node 611	71.30	71.25	12.27
Node 612	91.30	71.25	12.27
Node 613	111.30	71.25	12.27
Node 614	131.30	71.25	12.27
Node 615	76.30	71.25	12.27
Node 616	96.30	71.25	12.27
Node 617	116.30	71.25	12.27
Node 618	136.30	71.25	12.27
Node 619	81.30	72.50	12.09
Node 620	101.30	72.50	12.09
Node 621	121.30	72.50	12.09
Node 622	141.30	72.50	12.09
Node 623	66.30	72.50	12.09
Node 624	86.30	72.50	12.09
Node 625	106.30	72.50	12.09
Node 626	126.30	72.50	12.09
Node 627	71.30	72.50	12.09
Node 628	91.30	72.50	12.09
Node 629	111.30	72.50	12.09
Node 630	131.30	72.50	12.09
Node 631	76.30	72.50	12.09
Node 632	96.30	72.50	12.09
Node 633	116.30	72.50	12.09
Node 634	136.30	72.50	12.09
Node 635	81.30	73.75	11.91
Node 636	101.30	73.75	11.91
Node 637	121.30	73.75	11.91
Node 638	141.30	73.75	11.91
Node 639	66.30	73.75	11.91
Node 640	86.30	73.75	11.91
Node 641	106.30	73.75	11.91
Node 642	126.30	73.75	11.91
Node 643	71.30	73.75	11.91
Node 644	91.30	73.75	11.91

Node 1300	116.30	58.75	13.45
Node 1301	136.30	58.75	13.45
Node 1302	81.30	56.25	13.65
Node 1303	81.30	57.50	13.55
Node 1304	101.30	56.25	13.65
Node 1305	101.30	57.50	13.55
Node 1306	121.30	56.25	13.65
Node 1307	121.30	57.50	13.55
Node 1308	141.30	56.25	13.65
Node 1309	141.30	57.50	13.55
Node 1310	81.30	58.75	13.45
Node 1311	101.30	58.75	13.45
Node 1312	121.30	58.75	13.45
Node 1313	141.30	58.75	13.45
Node 1314	66.30	57.50	14.10
Node 1315	81.30	57.50	14.10
Node 1316	86.30	57.50	14.10
Node 1317	101.30	57.50	14.10
Node 1318	106.30	57.50	14.10
Node 1319	121.30	57.50	14.10
Node 1320	126.30	57.50	14.10
Node 1321	71.30	57.50	14.10
Node 1322	91.30	57.50	14.10
Node 1323	111.30	57.50	14.10
Node 1324	131.30	57.50	14.10
Node 1325	76.30	57.50	14.10
Node 1326	96.30	57.50	14.10
Node 1327	116.30	57.50	14.10
Node 1328	136.30	57.50	14.10
Node 1329	141.30	57.50	14.10
Node 1330	66.30	58.75	14.00
Node 1331	81.30	58.75	14.00
Node 1332	86.30	58.75	14.00
Node 1333	101.30	58.75	14.00
Node 1334	106.30	58.75	14.00
Node 1335	121.30	58.75	14.00
Node 1336	126.30	58.75	14.00
Node 1337	71.30	58.75	14.00
Node 1338	91.30	58.75	14.00
Node 1339	111.30	58.75	14.00
Node 1340	131.30	58.75	14.00
Node 1341	76.30	58.75	14.00
Node 1342	96.30	58.75	14.00
Node 1343	116.30	58.75	14.00
Node 1344	136.30	58.75	14.00
Node 1345	141.30	58.75	14.00
Node 1346	66.30	56.25	14.20
Node 1347	81.30	56.25	14.20
Node 1348	86.30	56.25	14.20
Node 1349	101.30	56.25	14.20

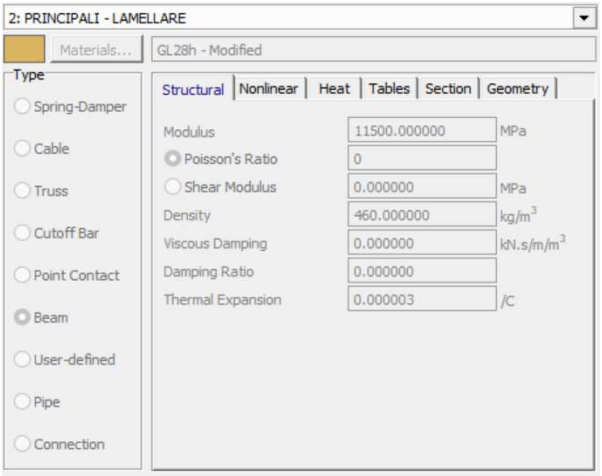
Node 645	111.30	73.75	11.91
Node 646	131.30	73.75	11.91
Node 647	76.30	73.75	11.91
Node 648	96.30	73.75	11.91
Node 649	116.30	73.75	11.91
Node 650	136.30	73.75	11.91
Node 651	81.30	61.25	13.72
Node 652	101.30	61.25	13.72
Node 653	121.30	61.25	13.72
Node 654	141.30	61.25	13.72
Node 655	66.30	61.25	13.72
Node 656	86.30	61.25	13.72
Node 657	106.30	61.25	13.72
Node 658	126.30	61.25	13.72
Node 659	71.30	61.25	13.72
Node 660	91.30	61.25	13.72
Node 661	111.30	61.25	13.72
Node 662	131.30	61.25	13.72
Node 663	76.30	61.25	13.72
Node 664	96.30	61.25	13.72
Node 665	116.30	61.25	13.72
Node 666	136.30	61.25	13.72
Node 667	81.30	62.50	13.54
Node 668	101.30	62.50	13.54
Node 669	121.30	62.50	13.54
Node 670	141.30	62.50	13.54
Node 671	66.30	62.50	13.54
Node 672	86.30	62.50	13.54
Node 673	106.30	62.50	13.54
Node 674	126.30	62.50	13.54
Node 675	71.30	62.50	13.54
Node 676	91.30	62.50	13.54
Node 677	111.30	62.50	13.54
Node 678	131.30	62.50	13.54
Node 679	76.30	62.50	13.54
Node 680	96.30	62.50	13.54
Node 681	116.30	62.50	13.54
Node 682	136.30	62.50	13.54
Node 683	81.30	63.75	13.36
Node 684	101.30	63.75	13.36
Node 685	121.30	63.75	13.36
Node 686	141.30	63.75	13.36
Node 687	66.30	63.75	13.36
Node 688	86.30	63.75	13.36
Node 689	106.30	63.75	13.36
Node 690	126.30	63.75	13.36
Node 691	71.30	63.75	13.36
Node 692	91.30	63.75	13.36
Node 693	111.30	63.75	13.36
Node 694	131.30	63.75	13.36

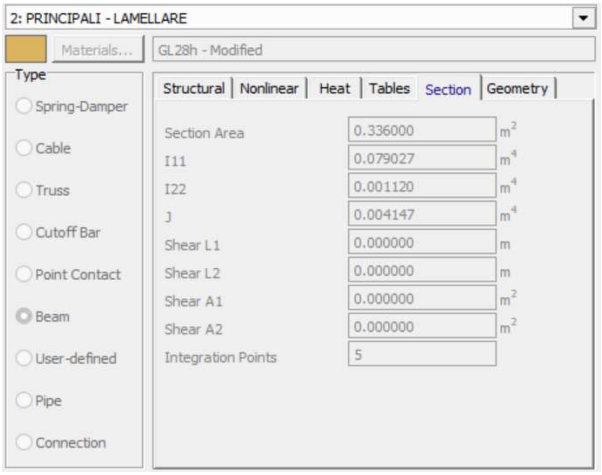
Node 1350	106.30	56.25	14.20
Node 1351	121.30	56.25	14.20
Node 1352	126.30	56.25	14.20
Node 1353	71.30	56.25	14.20
Node 1354	91.30	56.25	14.20
Node 1355	111.30	56.25	14.20
Node 1356	131.30	56.25	14.20
Node 1357	76.30	56.25	14.20
Node 1358	96.30	56.25	14.20
Node 1359	116.30	56.25	14.20
Node 1360	136.30	56.25	14.20
Node 1361	141.30	56.25	14.20
Node 1362	61.30	57.50	14.11
Node 1363	61.30	56.25	14.21
Node 1364	66.30	56.25	14.21
Node 1365	66.30	57.50	14.11
Node 1366	81.30	57.50	14.11
Node 1367	81.30	56.25	14.21
Node 1368	86.30	56.25	14.21
Node 1369	86.30	57.50	14.11
Node 1370	101.30	57.50	14.11
Node 1371	101.30	56.25	14.21
Node 1372	106.30	56.25	14.21
Node 1373	106.30	57.50	14.11
Node 1374	121.30	57.50	14.11
Node 1375	121.30	56.25	14.21
Node 1376	126.30	56.25	14.21
Node 1377	126.30	57.50	14.11
Node 1378	61.30	58.75	14.01
Node 1379	66.30	58.75	14.01
Node 1380	81.30	58.75	14.01
Node 1381	86.30	58.75	14.01
Node 1382	101.30	58.75	14.01
Node 1383	106.30	58.75	14.01
Node 1384	121.30	58.75	14.01
Node 1385	126.30	58.75	14.01
Node 1386	71.30	56.25	14.21
Node 1387	71.30	57.50	14.11
Node 1388	91.30	56.25	14.21
Node 1389	91.30	57.50	14.11
Node 1390	111.30	56.25	14.21
Node 1391	111.30	57.50	14.11
Node 1392	131.30	56.25	14.21
Node 1393	131.30	57.50	14.11
Node 1394	71.30	58.75	14.01
Node 1395	91.30	58.75	14.01
Node 1396	111.30	58.75	14.01
Node 1397	131.30	58.75	14.01
Node 1398	76.30	56.25	14.21
Node 1399	76.30	57.50	14.11

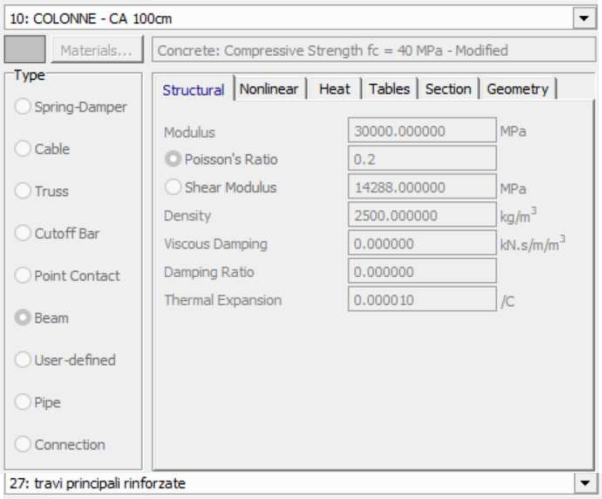
Node 695	76.30	63.75	13.36
Node 696	96.30	63.75	13.36
Node 697	116.30	63.75	13.36
Node 698	136.30	63.75	13.36
Node 699	81.30	60.00	13.90
Node 700	101.30	60.00	13.90
Node 701	121.30	60.00	13.90
Node 702	141.30	60.00	13.90
Node 703	66.30	60.00	13.90
Node 704	86.30	60.00	13.90
Node 705	106.30	60.00	13.90

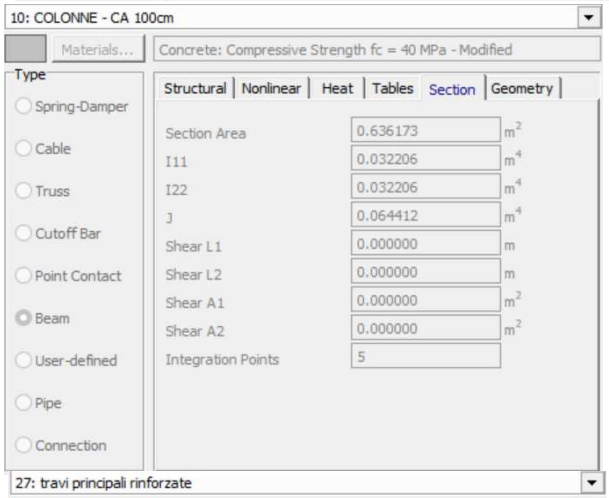
Node 1400	96.30	56.25	14.21
Node 1401	96.30	57.50	14.11
Node 1402	116.30	56.25	14.21
Node 1403	116.30	57.50	14.11
Node 1404	136.30	56.25	14.21
Node 1405	136.30	57.50	14.11
Node 1406	76.30	58.75	14.01
Node 1407	96.30	58.75	14.01
Node 1408	116.30	58.75	14.01
Node 1409	136.30	58.75	14.01
Node 1410	141.30	56.25	14.21
Node 1411	141.30	57.50	14.11
Node 1412	141.30	58.75	14.01

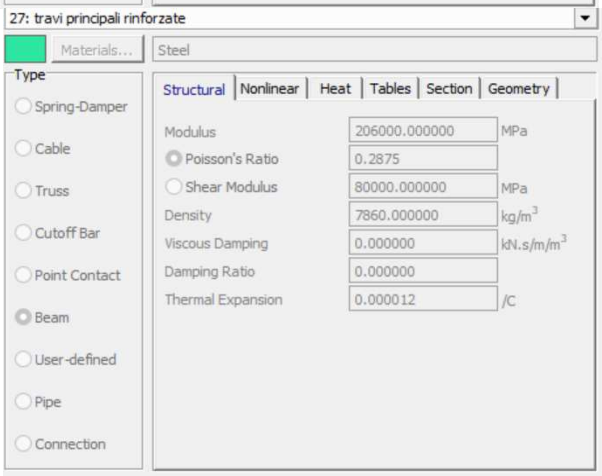
Proprietà delle sezioni utilizzate

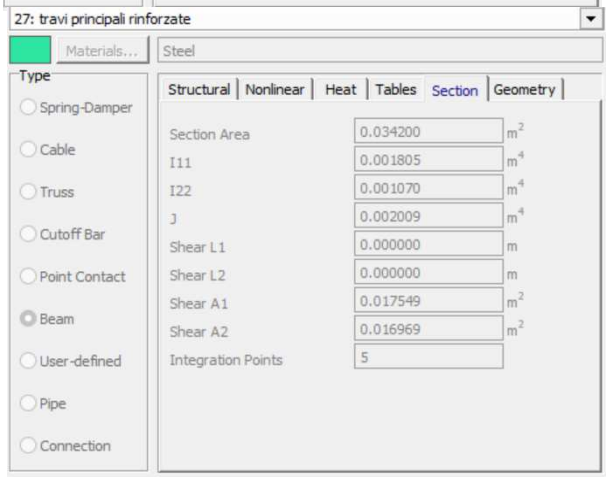












3: PRINCIPALI - ACCIAIO

Materials... | Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	206000.000000	MPa
Poisson's Ratio	0.2875	
Shear Modulus	80000.000000	MPa
Density	7860.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000012	/C

3: PRINCIPALI - ACCIAIO

Materials... | Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.026700	m^2
I11	0.001410	m^4
I22	0.000861	m^4
J	0.001606	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.013246	m^2
Shear A2	0.013651	m^2
Integration Points	5	

5: ARCARECCI - LAMELLARE

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

5: ARCARECCI - LAMELLARE

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032000	m^2
I11	0.000107	m^4
I22	0.000068	m^4
J	0.000145	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.000000	m^2
Shear A2	0.000000	m^2
Integration Points	5	

8: CONTROVENTI

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Include Torsional Stiffness		
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

8: CONTROVENTI

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032400	m^2
J	0.000148	m^4
Integration Points	5	

Definizione delle aste

	Type	Property	ID	Angle	N1	N2
				(deg)		
Beam 1	Beam2	2: PRINCIPALI - LAMELLARE	0	90	3	4
Beam 2	Beam2	2: PRINCIPALI - LAMELLARE	0	90	5	6
Beam 3	Beam2	2: PRINCIPALI - LAMELLARE	0	90	7	8
Beam 4	Beam2	2: PRINCIPALI - LAMELLARE	0	90	9	10
Beam 5	Beam2	2: PRINCIPALI - LAMELLARE	0	90	11	12
Beam 6	Beam2	2: PRINCIPALI - LAMELLARE	0	90	10	13
Beam 7	Beam2	2: PRINCIPALI - LAMELLARE	0	90	13	14
Beam 8	Beam2	2: PRINCIPALI - LAMELLARE	0	90	14	3
Beam 9	Beam2	2: PRINCIPALI - LAMELLARE	0	90	4	15
Beam 10	Beam2	2: PRINCIPALI - LAMELLARE	0	90	15	16
Beam 11	Beam2	2: PRINCIPALI - LAMELLARE	0	90	16	5
Beam 12	Beam2	2: PRINCIPALI - LAMELLARE	0	90	12	17
Beam 13	Beam2	2: PRINCIPALI - LAMELLARE	0	90	17	18
Beam 14	Beam2	2: PRINCIPALI - LAMELLARE	0	90	18	7
Beam 15	Beam2	2: PRINCIPALI - LAMELLARE	0	90	8	19
Beam 16	Beam2	2: PRINCIPALI - LAMELLARE	0	90	19	20
Beam 17	Beam2	2: PRINCIPALI - LAMELLARE	0	90	20	9
Beam 18	Beam2	2: PRINCIPALI - LAMELLARE	0	90	21	22
Beam 19	Beam2	2: PRINCIPALI - LAMELLARE	0	90	22	23
Beam 20	Beam2	2: PRINCIPALI - LAMELLARE	0	90	23	11
Beam 21	Beam2	4: FICT 1	0	0	3	30
Beam 22	Beam2	4: FICT 1	0	0	4	44
Beam 23	Beam2	4: FICT 1	0	0	5	33
Beam 24	Beam2	4: FICT 1	0	0	6	24
Beam 25	Beam2	4: FICT 1	0	0	7	36
Beam 26	Beam2	4: FICT 1	0	0	8	25
Beam 27	Beam2	4: FICT 1	0	0	9	39
Beam 28	Beam2	4: FICT 1	0	0	10	26
Beam 29	Beam2	4: FICT 1	0	0	11	42
Beam 30	Beam2	4: FICT 1	0	0	12	27
Beam 31	Beam2	4: FICT 1	0	0	13	28
Beam 32	Beam2	4: FICT 1	0	0	14	29
Beam 33	Beam2	4: FICT 1	0	0	15	31
Beam 34	Beam2	4: FICT 1	0	0	16	32
Beam 35	Beam2	4: FICT 1	0	0	17	34
Beam 36	Beam2	4: FICT 1	0	0	18	35
Beam 37	Beam2	4: FICT 1	0	0	19	37
Beam 38	Beam2	4: FICT 1	0	0	20	38
Beam 39	Beam2	4: FICT 1	0	0	21	43
Beam 40	Beam2	4: FICT 1	0	0	22	40
Beam 41	Beam2	4: FICT 1	0	0	23	41
Beam 42	Beam2	6: FICT 2	0	0	45	47
Beam 43	Beam2	6: FICT 2	0	0	46	48
Beam 44	Beam2	6: FICT 2	0	0	45	49

Beam 45	Beam2	6: FICT 2	0	0	46	50
Beam 46	Beam2	4: FICT 1	0	0	4	50
Beam 47	Beam2	4: FICT 1	0	0	21	49
Beam 50	Beam2	2: PRINCIPALI - LAMELLARE	0	90	59	63
Beam 51	Beam2	2: PRINCIPALI - LAMELLARE	0	90	60	64
Beam 52	Beam2	2: PRINCIPALI - LAMELLARE	0	90	61	65
Beam 53	Beam2	2: PRINCIPALI - LAMELLARE	0	90	62	66
Beam 54	Beam2	2: PRINCIPALI - LAMELLARE	0	90	67	71
Beam 55	Beam2	2: PRINCIPALI - LAMELLARE	0	90	68	72
Beam 56	Beam2	2: PRINCIPALI - LAMELLARE	0	90	69	73
Beam 57	Beam2	2: PRINCIPALI - LAMELLARE	0	90	70	74
Beam 58	Beam2	2: PRINCIPALI - LAMELLARE	0	90	75	79
Beam 59	Beam2	2: PRINCIPALI - LAMELLARE	0	90	76	80
Beam 60	Beam2	2: PRINCIPALI - LAMELLARE	0	90	77	81
Beam 61	Beam2	2: PRINCIPALI - LAMELLARE	0	90	78	82
Beam 62	Beam2	2: PRINCIPALI - LAMELLARE	0	90	83	87
Beam 63	Beam2	2: PRINCIPALI - LAMELLARE	0	90	84	88
Beam 64	Beam2	2: PRINCIPALI - LAMELLARE	0	90	85	89
Beam 65	Beam2	2: PRINCIPALI - LAMELLARE	0	90	86	90
Beam 66	Beam2	2: PRINCIPALI - LAMELLARE	0	90	91	95
Beam 67	Beam2	2: PRINCIPALI - LAMELLARE	0	90	92	96
Beam 68	Beam2	2: PRINCIPALI - LAMELLARE	0	90	93	97
Beam 69	Beam2	2: PRINCIPALI - LAMELLARE	0	90	94	98
Beam 70	Beam2	2: PRINCIPALI - LAMELLARE	0	90	99	103
Beam 71	Beam2	2: PRINCIPALI - LAMELLARE	0	90	100	104
Beam 72	Beam2	2: PRINCIPALI - LAMELLARE	0	90	101	105
Beam 73	Beam2	2: PRINCIPALI - LAMELLARE	0	90	102	106
Beam 74	Beam2	2: PRINCIPALI - LAMELLARE	0	90	107	111
Beam 75	Beam2	2: PRINCIPALI - LAMELLARE	0	90	108	112
Beam 76	Beam2	2: PRINCIPALI - LAMELLARE	0	90	109	113
Beam 77	Beam2	2: PRINCIPALI - LAMELLARE	0	90	110	114
Beam 78	Beam2	2: PRINCIPALI - LAMELLARE	0	90	115	119
Beam 79	Beam2	2: PRINCIPALI - LAMELLARE	0	90	116	120
Beam 80	Beam2	2: PRINCIPALI - LAMELLARE	0	90	117	121
Beam 81	Beam2	2: PRINCIPALI - LAMELLARE	0	90	118	122
Beam 82	Beam2	2: PRINCIPALI - LAMELLARE	0	90	123	127
Beam 83	Beam2	2: PRINCIPALI - LAMELLARE	0	90	124	128
Beam 84	Beam2	2: PRINCIPALI - LAMELLARE	0	90	125	129
Beam 85	Beam2	2: PRINCIPALI - LAMELLARE	0	90	126	130
Beam 86	Beam2	2: PRINCIPALI - LAMELLARE	0	90	131	135
Beam 87	Beam2	2: PRINCIPALI - LAMELLARE	0	90	132	136
Beam 88	Beam2	2: PRINCIPALI - LAMELLARE	0	90	133	137
Beam 89	Beam2	2: PRINCIPALI - LAMELLARE	0	90	134	138
Beam 90	Beam2	2: PRINCIPALI - LAMELLARE	0	90	139	143
Beam 91	Beam2	2: PRINCIPALI - LAMELLARE	0	90	140	144
Beam 92	Beam2	2: PRINCIPALI - LAMELLARE	0	90	141	145
Beam 93	Beam2	2: PRINCIPALI - LAMELLARE	0	90	142	146
Beam 94	Beam2	2: PRINCIPALI - LAMELLARE	0	90	147	151
Beam 95	Beam2	2: PRINCIPALI - LAMELLARE	0	90	148	152
Beam 96	Beam2	2: PRINCIPALI - LAMELLARE	0	90	149	153

Beam 97	Beam2	2: PRINCIPALI - LAMELLARE	0	90	150	154
Beam 98	Beam2	2: PRINCIPALI - LAMELLARE	0	90	155	159
Beam 99	Beam2	2: PRINCIPALI - LAMELLARE	0	90	156	160
Beam 100	Beam2	2: PRINCIPALI - LAMELLARE	0	90	157	161
Beam 101	Beam2	2: PRINCIPALI - LAMELLARE	0	90	158	162
Beam 102	Beam2	2: PRINCIPALI - LAMELLARE	0	90	163	167
Beam 103	Beam2	2: PRINCIPALI - LAMELLARE	0	90	164	168
Beam 104	Beam2	2: PRINCIPALI - LAMELLARE	0	90	165	169
Beam 105	Beam2	2: PRINCIPALI - LAMELLARE	0	90	166	170
Beam 106	Beam2	2: PRINCIPALI - LAMELLARE	0	90	171	175
Beam 107	Beam2	2: PRINCIPALI - LAMELLARE	0	90	172	176
Beam 108	Beam2	2: PRINCIPALI - LAMELLARE	0	90	173	177
Beam 109	Beam2	2: PRINCIPALI - LAMELLARE	0	90	174	178
Beam 110	Beam2	2: PRINCIPALI - LAMELLARE	0	90	179	183
Beam 111	Beam2	2: PRINCIPALI - LAMELLARE	0	90	180	184
Beam 112	Beam2	2: PRINCIPALI - LAMELLARE	0	90	181	185
Beam 113	Beam2	2: PRINCIPALI - LAMELLARE	0	90	182	186
Beam 114	Beam2	2: PRINCIPALI - LAMELLARE	0	90	187	191
Beam 115	Beam2	2: PRINCIPALI - LAMELLARE	0	90	188	192
Beam 116	Beam2	2: PRINCIPALI - LAMELLARE	0	90	189	193
Beam 117	Beam2	2: PRINCIPALI - LAMELLARE	0	90	190	194
Beam 118	Beam2	2: PRINCIPALI - LAMELLARE	0	90	195	199
Beam 119	Beam2	2: PRINCIPALI - LAMELLARE	0	90	196	200
Beam 120	Beam2	2: PRINCIPALI - LAMELLARE	0	90	197	201
Beam 121	Beam2	2: PRINCIPALI - LAMELLARE	0	90	198	202
Beam 122	Beam2	2: PRINCIPALI - LAMELLARE	0	90	203	207
Beam 123	Beam2	2: PRINCIPALI - LAMELLARE	0	90	204	208
Beam 124	Beam2	2: PRINCIPALI - LAMELLARE	0	90	205	209
Beam 125	Beam2	2: PRINCIPALI - LAMELLARE	0	90	206	210
Beam 126	Beam2	2: PRINCIPALI - LAMELLARE	0	90	211	215
Beam 127	Beam2	2: PRINCIPALI - LAMELLARE	0	90	212	216
Beam 128	Beam2	2: PRINCIPALI - LAMELLARE	0	90	213	217
Beam 129	Beam2	2: PRINCIPALI - LAMELLARE	0	90	214	218
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	159	219
Beam 131	Beam2	2: PRINCIPALI - LAMELLARE	0	90	160	220
Beam 132	Beam2	2: PRINCIPALI - LAMELLARE	0	90	161	221
Beam 133	Beam2	2: PRINCIPALI - LAMELLARE	0	90	162	222
Beam 134	Beam2	2: PRINCIPALI - LAMELLARE	0	90	219	223
Beam 135	Beam2	2: PRINCIPALI - LAMELLARE	0	90	220	224
Beam 136	Beam2	2: PRINCIPALI - LAMELLARE	0	90	221	225
Beam 137	Beam2	2: PRINCIPALI - LAMELLARE	0	90	222	226
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	223	59
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	224	60
Beam 140	Beam2	2: PRINCIPALI - LAMELLARE	0	90	225	61
Beam 141	Beam2	2: PRINCIPALI - LAMELLARE	0	90	226	62
Beam 142	Beam2	2: PRINCIPALI - LAMELLARE	0	90	167	227
Beam 143	Beam2	2: PRINCIPALI - LAMELLARE	0	90	168	228
Beam 144	Beam2	2: PRINCIPALI - LAMELLARE	0	90	169	229
Beam 145	Beam2	2: PRINCIPALI - LAMELLARE	0	90	170	230
Beam 146	Beam2	2: PRINCIPALI - LAMELLARE	0	90	227	231

Beam 147	Beam2	2: PRINCIPALI - LAMELLARE	0	90	228	232
Beam 148	Beam2	2: PRINCIPALI - LAMELLARE	0	90	229	233
Beam 149	Beam2	2: PRINCIPALI - LAMELLARE	0	90	230	234
Beam 150	Beam2	2: PRINCIPALI - LAMELLARE	0	90	231	67
Beam 151	Beam2	2: PRINCIPALI - LAMELLARE	0	90	232	68
Beam 152	Beam2	2: PRINCIPALI - LAMELLARE	0	90	233	69
Beam 153	Beam2	2: PRINCIPALI - LAMELLARE	0	90	234	70
Beam 154	Beam2	2: PRINCIPALI - LAMELLARE	0	90	175	235
Beam 155	Beam2	2: PRINCIPALI - LAMELLARE	0	90	176	236
Beam 156	Beam2	2: PRINCIPALI - LAMELLARE	0	90	177	237
Beam 157	Beam2	2: PRINCIPALI - LAMELLARE	0	90	178	238
Beam 158	Beam2	2: PRINCIPALI - LAMELLARE	0	90	235	239
Beam 159	Beam2	2: PRINCIPALI - LAMELLARE	0	90	236	240
Beam 160	Beam2	2: PRINCIPALI - LAMELLARE	0	90	237	241
Beam 161	Beam2	2: PRINCIPALI - LAMELLARE	0	90	238	242
Beam 162	Beam2	2: PRINCIPALI - LAMELLARE	0	90	239	75
Beam 163	Beam2	2: PRINCIPALI - LAMELLARE	0	90	240	76
Beam 164	Beam2	2: PRINCIPALI - LAMELLARE	0	90	241	77
Beam 165	Beam2	2: PRINCIPALI - LAMELLARE	0	90	242	78
Beam 166	Beam2	2: PRINCIPALI - LAMELLARE	0	90	183	243
Beam 167	Beam2	2: PRINCIPALI - LAMELLARE	0	90	184	244
Beam 168	Beam2	2: PRINCIPALI - LAMELLARE	0	90	185	245
Beam 169	Beam2	2: PRINCIPALI - LAMELLARE	0	90	186	246
Beam 170	Beam2	2: PRINCIPALI - LAMELLARE	0	90	243	247
Beam 171	Beam2	2: PRINCIPALI - LAMELLARE	0	90	244	248
Beam 172	Beam2	2: PRINCIPALI - LAMELLARE	0	90	245	249
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	246	250
Beam 174	Beam2	2: PRINCIPALI - LAMELLARE	0	90	247	83
Beam 175	Beam2	2: PRINCIPALI - LAMELLARE	0	90	248	84
Beam 176	Beam2	2: PRINCIPALI - LAMELLARE	0	90	249	85
Beam 177	Beam2	2: PRINCIPALI - LAMELLARE	0	90	250	86
Beam 178	Beam2	2: PRINCIPALI - LAMELLARE	0	90	63	251
Beam 179	Beam2	2: PRINCIPALI - LAMELLARE	0	90	64	252
Beam 180	Beam2	2: PRINCIPALI - LAMELLARE	0	90	65	253
Beam 181	Beam2	2: PRINCIPALI - LAMELLARE	0	90	66	254
Beam 182	Beam2	2: PRINCIPALI - LAMELLARE	0	90	251	255
Beam 183	Beam2	2: PRINCIPALI - LAMELLARE	0	90	252	256
Beam 184	Beam2	2: PRINCIPALI - LAMELLARE	0	90	253	257
Beam 185	Beam2	2: PRINCIPALI - LAMELLARE	0	90	254	258
Beam 186	Beam2	2: PRINCIPALI - LAMELLARE	0	90	255	91
Beam 187	Beam2	2: PRINCIPALI - LAMELLARE	0	90	256	92
Beam 188	Beam2	2: PRINCIPALI - LAMELLARE	0	90	257	93
Beam 189	Beam2	2: PRINCIPALI - LAMELLARE	0	90	258	94
Beam 190	Beam2	2: PRINCIPALI - LAMELLARE	0	90	71	259
Beam 191	Beam2	2: PRINCIPALI - LAMELLARE	0	90	72	260
Beam 192	Beam2	2: PRINCIPALI - LAMELLARE	0	90	73	261
Beam 193	Beam2	2: PRINCIPALI - LAMELLARE	0	90	74	262
Beam 194	Beam2	2: PRINCIPALI - LAMELLARE	0	90	259	263
Beam 195	Beam2	2: PRINCIPALI - LAMELLARE	0	90	260	264
Beam 196	Beam2	2: PRINCIPALI - LAMELLARE	0	90	261	265

Beam 197	Beam2	2: PRINCIPALI - LAMELLARE	0	90	262	266
Beam 198	Beam2	2: PRINCIPALI - LAMELLARE	0	90	263	99
Beam 199	Beam2	2: PRINCIPALI - LAMELLARE	0	90	264	100
Beam 200	Beam2	2: PRINCIPALI - LAMELLARE	0	90	265	101
Beam 201	Beam2	2: PRINCIPALI - LAMELLARE	0	90	266	102
Beam 202	Beam2	2: PRINCIPALI - LAMELLARE	0	90	79	267
Beam 203	Beam2	2: PRINCIPALI - LAMELLARE	0	90	80	268
Beam 204	Beam2	2: PRINCIPALI - LAMELLARE	0	90	81	269
Beam 205	Beam2	2: PRINCIPALI - LAMELLARE	0	90	82	270
Beam 206	Beam2	2: PRINCIPALI - LAMELLARE	0	90	267	271
Beam 207	Beam2	2: PRINCIPALI - LAMELLARE	0	90	268	272
Beam 208	Beam2	2: PRINCIPALI - LAMELLARE	0	90	269	273
Beam 209	Beam2	2: PRINCIPALI - LAMELLARE	0	90	270	274
Beam 210	Beam2	2: PRINCIPALI - LAMELLARE	0	90	271	107
Beam 211	Beam2	2: PRINCIPALI - LAMELLARE	0	90	272	108
Beam 212	Beam2	2: PRINCIPALI - LAMELLARE	0	90	273	109
Beam 213	Beam2	2: PRINCIPALI - LAMELLARE	0	90	274	110
Beam 214	Beam2	2: PRINCIPALI - LAMELLARE	0	90	87	275
Beam 215	Beam2	2: PRINCIPALI - LAMELLARE	0	90	88	276
Beam 216	Beam2	2: PRINCIPALI - LAMELLARE	0	90	89	277
Beam 217	Beam2	2: PRINCIPALI - LAMELLARE	0	90	90	278
Beam 218	Beam2	2: PRINCIPALI - LAMELLARE	0	90	275	279
Beam 219	Beam2	2: PRINCIPALI - LAMELLARE	0	90	276	280
Beam 220	Beam2	2: PRINCIPALI - LAMELLARE	0	90	277	281
Beam 221	Beam2	2: PRINCIPALI - LAMELLARE	0	90	278	282
Beam 222	Beam2	2: PRINCIPALI - LAMELLARE	0	90	279	115
Beam 223	Beam2	2: PRINCIPALI - LAMELLARE	0	90	280	116
Beam 224	Beam2	2: PRINCIPALI - LAMELLARE	0	90	281	117
Beam 225	Beam2	2: PRINCIPALI - LAMELLARE	0	90	282	118
Beam 226	Beam2	2: PRINCIPALI - LAMELLARE	0	90	191	283
Beam 227	Beam2	2: PRINCIPALI - LAMELLARE	0	90	192	284
Beam 228	Beam2	2: PRINCIPALI - LAMELLARE	0	90	193	285
Beam 229	Beam2	2: PRINCIPALI - LAMELLARE	0	90	194	286
Beam 230	Beam2	2: PRINCIPALI - LAMELLARE	0	90	283	287
Beam 231	Beam2	2: PRINCIPALI - LAMELLARE	0	90	284	288
Beam 232	Beam2	2: PRINCIPALI - LAMELLARE	0	90	285	289
Beam 233	Beam2	2: PRINCIPALI - LAMELLARE	0	90	286	290
Beam 234	Beam2	2: PRINCIPALI - LAMELLARE	0	90	287	123
Beam 235	Beam2	2: PRINCIPALI - LAMELLARE	0	90	288	124
Beam 236	Beam2	2: PRINCIPALI - LAMELLARE	0	90	289	125
Beam 237	Beam2	2: PRINCIPALI - LAMELLARE	0	90	290	126
Beam 238	Beam2	2: PRINCIPALI - LAMELLARE	0	90	199	291
Beam 239	Beam2	2: PRINCIPALI - LAMELLARE	0	90	200	292
Beam 240	Beam2	2: PRINCIPALI - LAMELLARE	0	90	201	293
Beam 241	Beam2	2: PRINCIPALI - LAMELLARE	0	90	202	294
Beam 242	Beam2	2: PRINCIPALI - LAMELLARE	0	90	291	295
Beam 243	Beam2	2: PRINCIPALI - LAMELLARE	0	90	292	296
Beam 244	Beam2	2: PRINCIPALI - LAMELLARE	0	90	293	297
Beam 245	Beam2	2: PRINCIPALI - LAMELLARE	0	90	294	298
Beam 246	Beam2	2: PRINCIPALI - LAMELLARE	0	90	295	131

Beam 247	Beam2	2: PRINCIPALI - LAMELLARE	0	90	296	132
Beam 248	Beam2	2: PRINCIPALI - LAMELLARE	0	90	297	133
Beam 249	Beam2	2: PRINCIPALI - LAMELLARE	0	90	298	134
Beam 250	Beam2	2: PRINCIPALI - LAMELLARE	0	90	207	299
Beam 251	Beam2	2: PRINCIPALI - LAMELLARE	0	90	208	300
Beam 252	Beam2	2: PRINCIPALI - LAMELLARE	0	90	209	301
Beam 253	Beam2	2: PRINCIPALI - LAMELLARE	0	90	210	302
Beam 254	Beam2	2: PRINCIPALI - LAMELLARE	0	90	299	303
Beam 255	Beam2	2: PRINCIPALI - LAMELLARE	0	90	300	304
Beam 256	Beam2	2: PRINCIPALI - LAMELLARE	0	90	301	305
Beam 257	Beam2	2: PRINCIPALI - LAMELLARE	0	90	302	306
Beam 258	Beam2	2: PRINCIPALI - LAMELLARE	0	90	303	139
Beam 259	Beam2	2: PRINCIPALI - LAMELLARE	0	90	304	140
Beam 260	Beam2	2: PRINCIPALI - LAMELLARE	0	90	305	141
Beam 261	Beam2	2: PRINCIPALI - LAMELLARE	0	90	306	142
Beam 262	Beam2	2: PRINCIPALI - LAMELLARE	0	90	215	307
Beam 263	Beam2	2: PRINCIPALI - LAMELLARE	0	90	216	308
Beam 264	Beam2	2: PRINCIPALI - LAMELLARE	0	90	217	309
Beam 265	Beam2	2: PRINCIPALI - LAMELLARE	0	90	218	310
Beam 266	Beam2	2: PRINCIPALI - LAMELLARE	0	90	307	311
Beam 267	Beam2	2: PRINCIPALI - LAMELLARE	0	90	308	312
Beam 268	Beam2	2: PRINCIPALI - LAMELLARE	0	90	309	313
Beam 269	Beam2	2: PRINCIPALI - LAMELLARE	0	90	310	314
Beam 270	Beam2	2: PRINCIPALI - LAMELLARE	0	90	311	147
Beam 271	Beam2	2: PRINCIPALI - LAMELLARE	0	90	312	148
Beam 272	Beam2	2: PRINCIPALI - LAMELLARE	0	90	313	149
Beam 273	Beam2	2: PRINCIPALI - LAMELLARE	0	90	314	150
Beam 274	Beam2	2: PRINCIPALI - LAMELLARE	0	90	127	315
Beam 275	Beam2	2: PRINCIPALI - LAMELLARE	0	90	128	316
Beam 276	Beam2	2: PRINCIPALI - LAMELLARE	0	90	129	317
Beam 277	Beam2	2: PRINCIPALI - LAMELLARE	0	90	130	318
Beam 278	Beam2	2: PRINCIPALI - LAMELLARE	0	90	315	319
Beam 279	Beam2	2: PRINCIPALI - LAMELLARE	0	90	316	320
Beam 280	Beam2	2: PRINCIPALI - LAMELLARE	0	90	317	321
Beam 281	Beam2	2: PRINCIPALI - LAMELLARE	0	90	318	322
Beam 282	Beam2	2: PRINCIPALI - LAMELLARE	0	90	319	155
Beam 283	Beam2	2: PRINCIPALI - LAMELLARE	0	90	320	156
Beam 284	Beam2	2: PRINCIPALI - LAMELLARE	0	90	321	157
Beam 285	Beam2	2: PRINCIPALI - LAMELLARE	0	90	322	158
Beam 286	Beam2	2: PRINCIPALI - LAMELLARE	0	90	135	323
Beam 287	Beam2	2: PRINCIPALI - LAMELLARE	0	90	136	324
Beam 288	Beam2	2: PRINCIPALI - LAMELLARE	0	90	137	325
Beam 289	Beam2	2: PRINCIPALI - LAMELLARE	0	90	138	326
Beam 290	Beam2	2: PRINCIPALI - LAMELLARE	0	90	323	327
Beam 291	Beam2	2: PRINCIPALI - LAMELLARE	0	90	324	328
Beam 292	Beam2	2: PRINCIPALI - LAMELLARE	0	90	325	329
Beam 293	Beam2	2: PRINCIPALI - LAMELLARE	0	90	326	330
Beam 294	Beam2	2: PRINCIPALI - LAMELLARE	0	90	327	163
Beam 295	Beam2	2: PRINCIPALI - LAMELLARE	0	90	328	164
Beam 296	Beam2	2: PRINCIPALI - LAMELLARE	0	90	329	165

Beam 297	Beam2	2: PRINCIPALI - LAMELLARE	0	90	330	166
Beam 298	Beam2	2: PRINCIPALI - LAMELLARE	0	90	143	331
Beam 299	Beam2	2: PRINCIPALI - LAMELLARE	0	90	144	332
Beam 300	Beam2	2: PRINCIPALI - LAMELLARE	0	90	145	333
Beam 301	Beam2	2: PRINCIPALI - LAMELLARE	0	90	146	334
Beam 302	Beam2	2: PRINCIPALI - LAMELLARE	0	90	331	335
Beam 303	Beam2	2: PRINCIPALI - LAMELLARE	0	90	332	336
Beam 304	Beam2	2: PRINCIPALI - LAMELLARE	0	90	333	337
Beam 305	Beam2	2: PRINCIPALI - LAMELLARE	0	90	334	338
Beam 306	Beam2	2: PRINCIPALI - LAMELLARE	0	90	335	171
Beam 307	Beam2	2: PRINCIPALI - LAMELLARE	0	90	336	172
Beam 308	Beam2	2: PRINCIPALI - LAMELLARE	0	90	337	173
Beam 309	Beam2	2: PRINCIPALI - LAMELLARE	0	90	338	174
Beam 310	Beam2	2: PRINCIPALI - LAMELLARE	0	90	151	339
Beam 311	Beam2	2: PRINCIPALI - LAMELLARE	0	90	152	340
Beam 312	Beam2	2: PRINCIPALI - LAMELLARE	0	90	153	341
Beam 313	Beam2	2: PRINCIPALI - LAMELLARE	0	90	154	342
Beam 314	Beam2	2: PRINCIPALI - LAMELLARE	0	90	339	343
Beam 315	Beam2	2: PRINCIPALI - LAMELLARE	0	90	340	344
Beam 316	Beam2	2: PRINCIPALI - LAMELLARE	0	90	341	345
Beam 317	Beam2	2: PRINCIPALI - LAMELLARE	0	90	342	346
Beam 318	Beam2	2: PRINCIPALI - LAMELLARE	0	90	343	179
Beam 319	Beam2	2: PRINCIPALI - LAMELLARE	0	90	344	180
Beam 320	Beam2	2: PRINCIPALI - LAMELLARE	0	90	345	181
Beam 321	Beam2	2: PRINCIPALI - LAMELLARE	0	90	346	182
Beam 322	Beam2	2: PRINCIPALI - LAMELLARE	0	90	347	351
Beam 323	Beam2	2: PRINCIPALI - LAMELLARE	0	90	348	352
Beam 324	Beam2	2: PRINCIPALI - LAMELLARE	0	90	349	353
Beam 325	Beam2	2: PRINCIPALI - LAMELLARE	0	90	350	354
Beam 326	Beam2	2: PRINCIPALI - LAMELLARE	0	90	351	355
Beam 327	Beam2	2: PRINCIPALI - LAMELLARE	0	90	352	356
Beam 328	Beam2	2: PRINCIPALI - LAMELLARE	0	90	353	357
Beam 329	Beam2	2: PRINCIPALI - LAMELLARE	0	90	354	358
Beam 330	Beam2	2: PRINCIPALI - LAMELLARE	0	90	355	187
Beam 331	Beam2	2: PRINCIPALI - LAMELLARE	0	90	356	188
Beam 332	Beam2	2: PRINCIPALI - LAMELLARE	0	90	357	189
Beam 333	Beam2	2: PRINCIPALI - LAMELLARE	0	90	358	190
Beam 334	Beam2	2: PRINCIPALI - LAMELLARE	0	90	359	363
Beam 335	Beam2	2: PRINCIPALI - LAMELLARE	0	90	360	364
Beam 336	Beam2	2: PRINCIPALI - LAMELLARE	0	90	361	365
Beam 337	Beam2	2: PRINCIPALI - LAMELLARE	0	90	362	366
Beam 338	Beam2	2: PRINCIPALI - LAMELLARE	0	90	363	367
Beam 339	Beam2	2: PRINCIPALI - LAMELLARE	0	90	364	368
Beam 340	Beam2	2: PRINCIPALI - LAMELLARE	0	90	365	369
Beam 341	Beam2	2: PRINCIPALI - LAMELLARE	0	90	366	370
Beam 342	Beam2	2: PRINCIPALI - LAMELLARE	0	90	367	195
Beam 343	Beam2	2: PRINCIPALI - LAMELLARE	0	90	368	196
Beam 344	Beam2	2: PRINCIPALI - LAMELLARE	0	90	369	197
Beam 345	Beam2	2: PRINCIPALI - LAMELLARE	0	90	370	198
Beam 346	Beam2	2: PRINCIPALI - LAMELLARE	0	90	371	375

Beam 347	Beam2	2: PRINCIPALI - LAMELLARE	0	90	372	376
Beam 348	Beam2	2: PRINCIPALI - LAMELLARE	0	90	373	377
Beam 349	Beam2	2: PRINCIPALI - LAMELLARE	0	90	374	378
Beam 350	Beam2	2: PRINCIPALI - LAMELLARE	0	90	375	379
Beam 351	Beam2	2: PRINCIPALI - LAMELLARE	0	90	376	380
Beam 352	Beam2	2: PRINCIPALI - LAMELLARE	0	90	377	381
Beam 353	Beam2	2: PRINCIPALI - LAMELLARE	0	90	378	382
Beam 354	Beam2	2: PRINCIPALI - LAMELLARE	0	90	379	203
Beam 355	Beam2	2: PRINCIPALI - LAMELLARE	0	90	380	204
Beam 356	Beam2	2: PRINCIPALI - LAMELLARE	0	90	381	205
Beam 357	Beam2	2: PRINCIPALI - LAMELLARE	0	90	382	206
Beam 358	Beam2	2: PRINCIPALI - LAMELLARE	0	90	383	387
Beam 359	Beam2	2: PRINCIPALI - LAMELLARE	0	90	384	388
Beam 360	Beam2	2: PRINCIPALI - LAMELLARE	0	90	385	389
Beam 361	Beam2	2: PRINCIPALI - LAMELLARE	0	90	386	390
Beam 362	Beam2	2: PRINCIPALI - LAMELLARE	0	90	387	391
Beam 363	Beam2	2: PRINCIPALI - LAMELLARE	0	90	388	392
Beam 364	Beam2	2: PRINCIPALI - LAMELLARE	0	90	389	393
Beam 365	Beam2	2: PRINCIPALI - LAMELLARE	0	90	390	394
Beam 366	Beam2	2: PRINCIPALI - LAMELLARE	0	90	391	211
Beam 367	Beam2	2: PRINCIPALI - LAMELLARE	0	90	392	212
Beam 368	Beam2	2: PRINCIPALI - LAMELLARE	0	90	393	213
Beam 369	Beam2	2: PRINCIPALI - LAMELLARE	0	90	394	214
Beam 370	Beam2	5: ARCARECCI - LAMELLARE	0	90	24	399
Beam 371	Beam2	5: ARCARECCI - LAMELLARE	0	90	395	400
Beam 372	Beam2	5: ARCARECCI - LAMELLARE	0	90	396	401
Beam 373	Beam2	5: ARCARECCI - LAMELLARE	0	90	397	402
Beam 374	Beam2	5: ARCARECCI - LAMELLARE	0	90	399	403
Beam 375	Beam2	5: ARCARECCI - LAMELLARE	0	90	400	404
Beam 376	Beam2	5: ARCARECCI - LAMELLARE	0	90	401	405
Beam 377	Beam2	5: ARCARECCI - LAMELLARE	0	90	402	406
Beam 378	Beam2	5: ARCARECCI - LAMELLARE	0	90	403	407
Beam 379	Beam2	5: ARCARECCI - LAMELLARE	0	90	404	408
Beam 380	Beam2	5: ARCARECCI - LAMELLARE	0	90	405	409
Beam 381	Beam2	5: ARCARECCI - LAMELLARE	0	90	406	410
Beam 382	Beam2	5: ARCARECCI - LAMELLARE	0	90	407	395
Beam 383	Beam2	5: ARCARECCI - LAMELLARE	0	90	408	396
Beam 384	Beam2	5: ARCARECCI - LAMELLARE	0	90	409	397
Beam 385	Beam2	5: ARCARECCI - LAMELLARE	0	90	410	398
Beam 386	Beam2	5: ARCARECCI - LAMELLARE	0	90	25	415
Beam 387	Beam2	5: ARCARECCI - LAMELLARE	0	90	411	416
Beam 388	Beam2	5: ARCARECCI - LAMELLARE	0	90	412	417
Beam 389	Beam2	5: ARCARECCI - LAMELLARE	0	90	413	418
Beam 390	Beam2	5: ARCARECCI - LAMELLARE	0	90	415	419
Beam 391	Beam2	5: ARCARECCI - LAMELLARE	0	90	416	420
Beam 392	Beam2	5: ARCARECCI - LAMELLARE	0	90	417	421
Beam 393	Beam2	5: ARCARECCI - LAMELLARE	0	90	418	422
Beam 394	Beam2	5: ARCARECCI - LAMELLARE	0	90	419	423
Beam 395	Beam2	5: ARCARECCI - LAMELLARE	0	90	420	424
Beam 396	Beam2	5: ARCARECCI - LAMELLARE	0	90	421	425

Beam 397	Beam2	5: ARCARECCI - LAMELLARE	0	90	422	426
Beam 398	Beam2	5: ARCARECCI - LAMELLARE	0	90	423	411
Beam 399	Beam2	5: ARCARECCI - LAMELLARE	0	90	424	412
Beam 400	Beam2	5: ARCARECCI - LAMELLARE	0	90	425	413
Beam 401	Beam2	5: ARCARECCI - LAMELLARE	0	90	426	414
Beam 402	Beam2	5: ARCARECCI - LAMELLARE	0	90	26	431
Beam 403	Beam2	5: ARCARECCI - LAMELLARE	0	90	427	432
Beam 404	Beam2	5: ARCARECCI - LAMELLARE	0	90	428	433
Beam 405	Beam2	5: ARCARECCI - LAMELLARE	0	90	429	434
Beam 406	Beam2	5: ARCARECCI - LAMELLARE	0	90	431	435
Beam 407	Beam2	5: ARCARECCI - LAMELLARE	0	90	432	436
Beam 408	Beam2	5: ARCARECCI - LAMELLARE	0	90	433	437
Beam 409	Beam2	5: ARCARECCI - LAMELLARE	0	90	434	438
Beam 410	Beam2	5: ARCARECCI - LAMELLARE	0	90	435	439
Beam 411	Beam2	5: ARCARECCI - LAMELLARE	0	90	436	440
Beam 412	Beam2	5: ARCARECCI - LAMELLARE	0	90	437	441
Beam 413	Beam2	5: ARCARECCI - LAMELLARE	0	90	438	442
Beam 414	Beam2	5: ARCARECCI - LAMELLARE	0	90	439	427
Beam 415	Beam2	5: ARCARECCI - LAMELLARE	0	90	440	428
Beam 416	Beam2	5: ARCARECCI - LAMELLARE	0	90	441	429
Beam 417	Beam2	5: ARCARECCI - LAMELLARE	0	90	442	430
Beam 418	Beam2	5: ARCARECCI - LAMELLARE	0	90	27	447
Beam 419	Beam2	5: ARCARECCI - LAMELLARE	0	90	443	448
Beam 420	Beam2	5: ARCARECCI - LAMELLARE	0	90	444	449
Beam 421	Beam2	5: ARCARECCI - LAMELLARE	0	90	445	450
Beam 422	Beam2	5: ARCARECCI - LAMELLARE	0	90	447	451
Beam 423	Beam2	5: ARCARECCI - LAMELLARE	0	90	448	452
Beam 424	Beam2	5: ARCARECCI - LAMELLARE	0	90	449	453
Beam 425	Beam2	5: ARCARECCI - LAMELLARE	0	90	450	454
Beam 426	Beam2	5: ARCARECCI - LAMELLARE	0	90	451	455
Beam 427	Beam2	5: ARCARECCI - LAMELLARE	0	90	452	456
Beam 428	Beam2	5: ARCARECCI - LAMELLARE	0	90	453	457
Beam 429	Beam2	5: ARCARECCI - LAMELLARE	0	90	454	458
Beam 430	Beam2	5: ARCARECCI - LAMELLARE	0	90	455	443
Beam 431	Beam2	5: ARCARECCI - LAMELLARE	0	90	456	444
Beam 432	Beam2	5: ARCARECCI - LAMELLARE	0	90	457	445
Beam 433	Beam2	5: ARCARECCI - LAMELLARE	0	90	458	446
Beam 434	Beam2	5: ARCARECCI - LAMELLARE	0	90	28	463
Beam 435	Beam2	5: ARCARECCI - LAMELLARE	0	90	459	464
Beam 436	Beam2	5: ARCARECCI - LAMELLARE	0	90	460	465
Beam 437	Beam2	5: ARCARECCI - LAMELLARE	0	90	461	466
Beam 438	Beam2	5: ARCARECCI - LAMELLARE	0	90	463	467
Beam 439	Beam2	5: ARCARECCI - LAMELLARE	0	90	464	468
Beam 440	Beam2	5: ARCARECCI - LAMELLARE	0	90	465	469
Beam 441	Beam2	5: ARCARECCI - LAMELLARE	0	90	466	470
Beam 442	Beam2	5: ARCARECCI - LAMELLARE	0	90	467	471
Beam 443	Beam2	5: ARCARECCI - LAMELLARE	0	90	468	472
Beam 444	Beam2	5: ARCARECCI - LAMELLARE	0	90	469	473
Beam 445	Beam2	5: ARCARECCI - LAMELLARE	0	90	470	474
Beam 446	Beam2	5: ARCARECCI - LAMELLARE	0	90	471	459

Beam 447	Beam2	5: ARCARECCI - LAMELLARE	0	90	472	460
Beam 448	Beam2	5: ARCARECCI - LAMELLARE	0	90	473	461
Beam 449	Beam2	5: ARCARECCI - LAMELLARE	0	90	474	462
Beam 450	Beam2	5: ARCARECCI - LAMELLARE	0	90	29	479
Beam 451	Beam2	5: ARCARECCI - LAMELLARE	0	90	475	480
Beam 452	Beam2	5: ARCARECCI - LAMELLARE	0	90	476	481
Beam 453	Beam2	5: ARCARECCI - LAMELLARE	0	90	477	482
Beam 454	Beam2	5: ARCARECCI - LAMELLARE	0	90	479	483
Beam 455	Beam2	5: ARCARECCI - LAMELLARE	0	90	480	484
Beam 456	Beam2	5: ARCARECCI - LAMELLARE	0	90	481	485
Beam 457	Beam2	5: ARCARECCI - LAMELLARE	0	90	482	486
Beam 458	Beam2	5: ARCARECCI - LAMELLARE	0	90	483	487
Beam 459	Beam2	5: ARCARECCI - LAMELLARE	0	90	484	488
Beam 460	Beam2	5: ARCARECCI - LAMELLARE	0	90	485	489
Beam 461	Beam2	5: ARCARECCI - LAMELLARE	0	90	486	490
Beam 462	Beam2	5: ARCARECCI - LAMELLARE	0	90	487	475
Beam 463	Beam2	5: ARCARECCI - LAMELLARE	0	90	488	476
Beam 464	Beam2	5: ARCARECCI - LAMELLARE	0	90	489	477
Beam 465	Beam2	5: ARCARECCI - LAMELLARE	0	90	490	478
Beam 466	Beam2	5: ARCARECCI - LAMELLARE	0	90	30	495
Beam 467	Beam2	5: ARCARECCI - LAMELLARE	0	90	491	496
Beam 468	Beam2	5: ARCARECCI - LAMELLARE	0	90	492	497
Beam 469	Beam2	5: ARCARECCI - LAMELLARE	0	90	493	498
Beam 470	Beam2	5: ARCARECCI - LAMELLARE	0	90	495	499
Beam 471	Beam2	5: ARCARECCI - LAMELLARE	0	90	496	500
Beam 472	Beam2	5: ARCARECCI - LAMELLARE	0	90	497	501
Beam 473	Beam2	5: ARCARECCI - LAMELLARE	0	90	498	502
Beam 474	Beam2	5: ARCARECCI - LAMELLARE	0	90	499	503
Beam 475	Beam2	5: ARCARECCI - LAMELLARE	0	90	500	504
Beam 476	Beam2	5: ARCARECCI - LAMELLARE	0	90	501	505
Beam 477	Beam2	5: ARCARECCI - LAMELLARE	0	90	502	506
Beam 478	Beam2	5: ARCARECCI - LAMELLARE	0	90	503	491
Beam 479	Beam2	5: ARCARECCI - LAMELLARE	0	90	504	492
Beam 480	Beam2	5: ARCARECCI - LAMELLARE	0	90	505	493
Beam 481	Beam2	5: ARCARECCI - LAMELLARE	0	90	506	494
Beam 482	Beam2	5: ARCARECCI - LAMELLARE	0	90	31	511
Beam 483	Beam2	5: ARCARECCI - LAMELLARE	0	90	507	512
Beam 484	Beam2	5: ARCARECCI - LAMELLARE	0	90	508	513
Beam 485	Beam2	5: ARCARECCI - LAMELLARE	0	90	509	514
Beam 486	Beam2	5: ARCARECCI - LAMELLARE	0	90	511	515
Beam 487	Beam2	5: ARCARECCI - LAMELLARE	0	90	512	516
Beam 488	Beam2	5: ARCARECCI - LAMELLARE	0	90	513	517
Beam 489	Beam2	5: ARCARECCI - LAMELLARE	0	90	514	518
Beam 490	Beam2	5: ARCARECCI - LAMELLARE	0	90	515	519
Beam 491	Beam2	5: ARCARECCI - LAMELLARE	0	90	516	520
Beam 492	Beam2	5: ARCARECCI - LAMELLARE	0	90	517	521
Beam 493	Beam2	5: ARCARECCI - LAMELLARE	0	90	518	522
Beam 494	Beam2	5: ARCARECCI - LAMELLARE	0	90	519	507
Beam 495	Beam2	5: ARCARECCI - LAMELLARE	0	90	520	508
Beam 496	Beam2	5: ARCARECCI - LAMELLARE	0	90	521	509

Beam 497	Beam2	5: ARCARECCI - LAMELLARE	0	90	522	510
Beam 498	Beam2	5: ARCARECCI - LAMELLARE	0	90	32	527
Beam 499	Beam2	5: ARCARECCI - LAMELLARE	0	90	523	528
Beam 500	Beam2	5: ARCARECCI - LAMELLARE	0	90	524	529
Beam 501	Beam2	5: ARCARECCI - LAMELLARE	0	90	525	530
Beam 502	Beam2	5: ARCARECCI - LAMELLARE	0	90	527	531
Beam 503	Beam2	5: ARCARECCI - LAMELLARE	0	90	528	532
Beam 504	Beam2	5: ARCARECCI - LAMELLARE	0	90	529	533
Beam 505	Beam2	5: ARCARECCI - LAMELLARE	0	90	530	534
Beam 506	Beam2	5: ARCARECCI - LAMELLARE	0	90	531	535
Beam 507	Beam2	5: ARCARECCI - LAMELLARE	0	90	532	536
Beam 508	Beam2	5: ARCARECCI - LAMELLARE	0	90	533	537
Beam 509	Beam2	5: ARCARECCI - LAMELLARE	0	90	534	538
Beam 510	Beam2	5: ARCARECCI - LAMELLARE	0	90	535	523
Beam 511	Beam2	5: ARCARECCI - LAMELLARE	0	90	536	524
Beam 512	Beam2	5: ARCARECCI - LAMELLARE	0	90	537	525
Beam 513	Beam2	5: ARCARECCI - LAMELLARE	0	90	538	526
Beam 514	Beam2	5: ARCARECCI - LAMELLARE	0	90	33	543
Beam 515	Beam2	5: ARCARECCI - LAMELLARE	0	90	539	544
Beam 516	Beam2	5: ARCARECCI - LAMELLARE	0	90	540	545
Beam 517	Beam2	5: ARCARECCI - LAMELLARE	0	90	541	546
Beam 518	Beam2	5: ARCARECCI - LAMELLARE	0	90	543	547
Beam 519	Beam2	5: ARCARECCI - LAMELLARE	0	90	544	548
Beam 520	Beam2	5: ARCARECCI - LAMELLARE	0	90	545	549
Beam 521	Beam2	5: ARCARECCI - LAMELLARE	0	90	546	550
Beam 522	Beam2	5: ARCARECCI - LAMELLARE	0	90	547	551
Beam 523	Beam2	5: ARCARECCI - LAMELLARE	0	90	548	552
Beam 524	Beam2	5: ARCARECCI - LAMELLARE	0	90	549	553
Beam 525	Beam2	5: ARCARECCI - LAMELLARE	0	90	550	554
Beam 526	Beam2	5: ARCARECCI - LAMELLARE	0	90	551	539
Beam 527	Beam2	5: ARCARECCI - LAMELLARE	0	90	552	540
Beam 528	Beam2	5: ARCARECCI - LAMELLARE	0	90	553	541
Beam 529	Beam2	5: ARCARECCI - LAMELLARE	0	90	554	542
Beam 530	Beam2	5: ARCARECCI - LAMELLARE	0	90	34	559
Beam 531	Beam2	5: ARCARECCI - LAMELLARE	0	90	555	560
Beam 532	Beam2	5: ARCARECCI - LAMELLARE	0	90	556	561
Beam 533	Beam2	5: ARCARECCI - LAMELLARE	0	90	557	562
Beam 534	Beam2	5: ARCARECCI - LAMELLARE	0	90	559	563
Beam 535	Beam2	5: ARCARECCI - LAMELLARE	0	90	560	564
Beam 536	Beam2	5: ARCARECCI - LAMELLARE	0	90	561	565
Beam 537	Beam2	5: ARCARECCI - LAMELLARE	0	90	562	566
Beam 538	Beam2	5: ARCARECCI - LAMELLARE	0	90	563	567
Beam 539	Beam2	5: ARCARECCI - LAMELLARE	0	90	564	568
Beam 540	Beam2	5: ARCARECCI - LAMELLARE	0	90	565	569
Beam 541	Beam2	5: ARCARECCI - LAMELLARE	0	90	566	570
Beam 542	Beam2	5: ARCARECCI - LAMELLARE	0	90	567	555
Beam 543	Beam2	5: ARCARECCI - LAMELLARE	0	90	568	556
Beam 544	Beam2	5: ARCARECCI - LAMELLARE	0	90	569	557
Beam 545	Beam2	5: ARCARECCI - LAMELLARE	0	90	570	558
Beam 546	Beam2	5: ARCARECCI - LAMELLARE	0	90	35	575

Beam 547	Beam2	5: ARCARECCI - LAMELLARE	0	90	571	576
Beam 548	Beam2	5: ARCARECCI - LAMELLARE	0	90	572	577
Beam 549	Beam2	5: ARCARECCI - LAMELLARE	0	90	573	578
Beam 550	Beam2	5: ARCARECCI - LAMELLARE	0	90	575	579
Beam 551	Beam2	5: ARCARECCI - LAMELLARE	0	90	576	580
Beam 552	Beam2	5: ARCARECCI - LAMELLARE	0	90	577	581
Beam 553	Beam2	5: ARCARECCI - LAMELLARE	0	90	578	582
Beam 554	Beam2	5: ARCARECCI - LAMELLARE	0	90	579	583
Beam 555	Beam2	5: ARCARECCI - LAMELLARE	0	90	580	584
Beam 556	Beam2	5: ARCARECCI - LAMELLARE	0	90	581	585
Beam 557	Beam2	5: ARCARECCI - LAMELLARE	0	90	582	586
Beam 558	Beam2	5: ARCARECCI - LAMELLARE	0	90	583	571
Beam 559	Beam2	5: ARCARECCI - LAMELLARE	0	90	584	572
Beam 560	Beam2	5: ARCARECCI - LAMELLARE	0	90	585	573
Beam 561	Beam2	5: ARCARECCI - LAMELLARE	0	90	586	574
Beam 562	Beam2	5: ARCARECCI - LAMELLARE	0	90	36	591
Beam 563	Beam2	5: ARCARECCI - LAMELLARE	0	90	587	592
Beam 564	Beam2	5: ARCARECCI - LAMELLARE	0	90	588	593
Beam 565	Beam2	5: ARCARECCI - LAMELLARE	0	90	589	594
Beam 566	Beam2	5: ARCARECCI - LAMELLARE	0	90	591	595
Beam 567	Beam2	5: ARCARECCI - LAMELLARE	0	90	592	596
Beam 568	Beam2	5: ARCARECCI - LAMELLARE	0	90	593	597
Beam 569	Beam2	5: ARCARECCI - LAMELLARE	0	90	594	598
Beam 570	Beam2	5: ARCARECCI - LAMELLARE	0	90	595	599
Beam 571	Beam2	5: ARCARECCI - LAMELLARE	0	90	596	600
Beam 572	Beam2	5: ARCARECCI - LAMELLARE	0	90	597	601
Beam 573	Beam2	5: ARCARECCI - LAMELLARE	0	90	598	602
Beam 574	Beam2	5: ARCARECCI - LAMELLARE	0	90	599	587
Beam 575	Beam2	5: ARCARECCI - LAMELLARE	0	90	600	588
Beam 576	Beam2	5: ARCARECCI - LAMELLARE	0	90	601	589
Beam 577	Beam2	5: ARCARECCI - LAMELLARE	0	90	602	590
Beam 578	Beam2	5: ARCARECCI - LAMELLARE	0	90	37	607
Beam 579	Beam2	5: ARCARECCI - LAMELLARE	0	90	603	608
Beam 580	Beam2	5: ARCARECCI - LAMELLARE	0	90	604	609
Beam 581	Beam2	5: ARCARECCI - LAMELLARE	0	90	605	610
Beam 582	Beam2	5: ARCARECCI - LAMELLARE	0	90	607	611
Beam 583	Beam2	5: ARCARECCI - LAMELLARE	0	90	608	612
Beam 584	Beam2	5: ARCARECCI - LAMELLARE	0	90	609	613
Beam 585	Beam2	5: ARCARECCI - LAMELLARE	0	90	610	614
Beam 586	Beam2	5: ARCARECCI - LAMELLARE	0	90	611	615
Beam 587	Beam2	5: ARCARECCI - LAMELLARE	0	90	612	616
Beam 588	Beam2	5: ARCARECCI - LAMELLARE	0	90	613	617
Beam 589	Beam2	5: ARCARECCI - LAMELLARE	0	90	614	618
Beam 590	Beam2	5: ARCARECCI - LAMELLARE	0	90	615	603
Beam 591	Beam2	5: ARCARECCI - LAMELLARE	0	90	616	604
Beam 592	Beam2	5: ARCARECCI - LAMELLARE	0	90	617	605
Beam 593	Beam2	5: ARCARECCI - LAMELLARE	0	90	618	606
Beam 594	Beam2	5: ARCARECCI - LAMELLARE	0	90	38	623
Beam 595	Beam2	5: ARCARECCI - LAMELLARE	0	90	619	624
Beam 596	Beam2	5: ARCARECCI - LAMELLARE	0	90	620	625

Beam 597	Beam2	5: ARCARECCI - LAMELLARE	0	90	621	626
Beam 598	Beam2	5: ARCARECCI - LAMELLARE	0	90	623	627
Beam 599	Beam2	5: ARCARECCI - LAMELLARE	0	90	624	628
Beam 600	Beam2	5: ARCARECCI - LAMELLARE	0	90	625	629
Beam 601	Beam2	5: ARCARECCI - LAMELLARE	0	90	626	630
Beam 602	Beam2	5: ARCARECCI - LAMELLARE	0	90	627	631
Beam 603	Beam2	5: ARCARECCI - LAMELLARE	0	90	628	632
Beam 604	Beam2	5: ARCARECCI - LAMELLARE	0	90	629	633
Beam 605	Beam2	5: ARCARECCI - LAMELLARE	0	90	630	634
Beam 606	Beam2	5: ARCARECCI - LAMELLARE	0	90	631	619
Beam 607	Beam2	5: ARCARECCI - LAMELLARE	0	90	632	620
Beam 608	Beam2	5: ARCARECCI - LAMELLARE	0	90	633	621
Beam 609	Beam2	5: ARCARECCI - LAMELLARE	0	90	634	622
Beam 610	Beam2	5: ARCARECCI - LAMELLARE	0	90	39	639
Beam 611	Beam2	5: ARCARECCI - LAMELLARE	0	90	635	640
Beam 612	Beam2	5: ARCARECCI - LAMELLARE	0	90	636	641
Beam 613	Beam2	5: ARCARECCI - LAMELLARE	0	90	637	642
Beam 614	Beam2	5: ARCARECCI - LAMELLARE	0	90	639	643
Beam 615	Beam2	5: ARCARECCI - LAMELLARE	0	90	640	644
Beam 616	Beam2	5: ARCARECCI - LAMELLARE	0	90	641	645
Beam 617	Beam2	5: ARCARECCI - LAMELLARE	0	90	642	646
Beam 618	Beam2	5: ARCARECCI - LAMELLARE	0	90	643	647
Beam 619	Beam2	5: ARCARECCI - LAMELLARE	0	90	644	648
Beam 620	Beam2	5: ARCARECCI - LAMELLARE	0	90	645	649
Beam 621	Beam2	5: ARCARECCI - LAMELLARE	0	90	646	650
Beam 622	Beam2	5: ARCARECCI - LAMELLARE	0	90	647	635
Beam 623	Beam2	5: ARCARECCI - LAMELLARE	0	90	648	636
Beam 624	Beam2	5: ARCARECCI - LAMELLARE	0	90	649	637
Beam 625	Beam2	5: ARCARECCI - LAMELLARE	0	90	650	638
Beam 626	Beam2	5: ARCARECCI - LAMELLARE	0	90	40	655
Beam 627	Beam2	5: ARCARECCI - LAMELLARE	0	90	651	656
Beam 628	Beam2	5: ARCARECCI - LAMELLARE	0	90	652	657
Beam 629	Beam2	5: ARCARECCI - LAMELLARE	0	90	653	658
Beam 630	Beam2	5: ARCARECCI - LAMELLARE	0	90	655	659
Beam 631	Beam2	5: ARCARECCI - LAMELLARE	0	90	656	660
Beam 632	Beam2	5: ARCARECCI - LAMELLARE	0	90	657	661
Beam 633	Beam2	5: ARCARECCI - LAMELLARE	0	90	658	662
Beam 634	Beam2	5: ARCARECCI - LAMELLARE	0	90	659	663
Beam 635	Beam2	5: ARCARECCI - LAMELLARE	0	90	660	664
Beam 636	Beam2	5: ARCARECCI - LAMELLARE	0	90	661	665
Beam 637	Beam2	5: ARCARECCI - LAMELLARE	0	90	662	666
Beam 638	Beam2	5: ARCARECCI - LAMELLARE	0	90	663	651
Beam 639	Beam2	5: ARCARECCI - LAMELLARE	0	90	664	652
Beam 640	Beam2	5: ARCARECCI - LAMELLARE	0	90	665	653
Beam 641	Beam2	5: ARCARECCI - LAMELLARE	0	90	666	654
Beam 642	Beam2	5: ARCARECCI - LAMELLARE	0	90	41	671
Beam 643	Beam2	5: ARCARECCI - LAMELLARE	0	90	667	672
Beam 644	Beam2	5: ARCARECCI - LAMELLARE	0	90	668	673
Beam 645	Beam2	5: ARCARECCI - LAMELLARE	0	90	669	674
Beam 646	Beam2	5: ARCARECCI - LAMELLARE	0	90	671	675

Beam 647	Beam2	5: ARCARECCI - LAMELLARE	0	90	672	676
Beam 648	Beam2	5: ARCARECCI - LAMELLARE	0	90	673	677
Beam 649	Beam2	5: ARCARECCI - LAMELLARE	0	90	674	678
Beam 650	Beam2	5: ARCARECCI - LAMELLARE	0	90	675	679
Beam 651	Beam2	5: ARCARECCI - LAMELLARE	0	90	676	680
Beam 652	Beam2	5: ARCARECCI - LAMELLARE	0	90	677	681
Beam 653	Beam2	5: ARCARECCI - LAMELLARE	0	90	678	682
Beam 654	Beam2	5: ARCARECCI - LAMELLARE	0	90	679	667
Beam 655	Beam2	5: ARCARECCI - LAMELLARE	0	90	680	668
Beam 656	Beam2	5: ARCARECCI - LAMELLARE	0	90	681	669
Beam 657	Beam2	5: ARCARECCI - LAMELLARE	0	90	682	670
Beam 658	Beam2	5: ARCARECCI - LAMELLARE	0	90	42	687
Beam 659	Beam2	5: ARCARECCI - LAMELLARE	0	90	683	688
Beam 660	Beam2	5: ARCARECCI - LAMELLARE	0	90	684	689
Beam 661	Beam2	5: ARCARECCI - LAMELLARE	0	90	685	690
Beam 662	Beam2	5: ARCARECCI - LAMELLARE	0	90	687	691
Beam 663	Beam2	5: ARCARECCI - LAMELLARE	0	90	688	692
Beam 664	Beam2	5: ARCARECCI - LAMELLARE	0	90	689	693
Beam 665	Beam2	5: ARCARECCI - LAMELLARE	0	90	690	694
Beam 666	Beam2	5: ARCARECCI - LAMELLARE	0	90	691	695
Beam 667	Beam2	5: ARCARECCI - LAMELLARE	0	90	692	696
Beam 668	Beam2	5: ARCARECCI - LAMELLARE	0	90	693	697
Beam 669	Beam2	5: ARCARECCI - LAMELLARE	0	90	694	698
Beam 670	Beam2	5: ARCARECCI - LAMELLARE	0	90	695	683
Beam 671	Beam2	5: ARCARECCI - LAMELLARE	0	90	696	684
Beam 672	Beam2	5: ARCARECCI - LAMELLARE	0	90	697	685
Beam 673	Beam2	5: ARCARECCI - LAMELLARE	0	90	698	686
Beam 674	Beam2	5: ARCARECCI - LAMELLARE	0	90	43	703
Beam 675	Beam2	5: ARCARECCI - LAMELLARE	0	90	699	704
Beam 676	Beam2	5: ARCARECCI - LAMELLARE	0	90	700	705
Beam 677	Beam2	5: ARCARECCI - LAMELLARE	0	90	701	706
Beam 678	Beam2	5: ARCARECCI - LAMELLARE	0	90	703	707
Beam 679	Beam2	5: ARCARECCI - LAMELLARE	0	90	704	708
Beam 680	Beam2	5: ARCARECCI - LAMELLARE	0	90	705	709
Beam 681	Beam2	5: ARCARECCI - LAMELLARE	0	90	706	710
Beam 682	Beam2	5: ARCARECCI - LAMELLARE	0	90	707	711
Beam 683	Beam2	5: ARCARECCI - LAMELLARE	0	90	708	712
Beam 684	Beam2	5: ARCARECCI - LAMELLARE	0	90	709	713
Beam 685	Beam2	5: ARCARECCI - LAMELLARE	0	90	710	714
Beam 686	Beam2	5: ARCARECCI - LAMELLARE	0	90	711	699
Beam 687	Beam2	5: ARCARECCI - LAMELLARE	0	90	712	700
Beam 688	Beam2	5: ARCARECCI - LAMELLARE	0	90	713	701
Beam 689	Beam2	5: ARCARECCI - LAMELLARE	0	90	714	702
Beam 690	Beam2	5: ARCARECCI - LAMELLARE	0	90	44	719
Beam 691	Beam2	5: ARCARECCI - LAMELLARE	0	90	715	720
Beam 692	Beam2	5: ARCARECCI - LAMELLARE	0	90	716	721
Beam 693	Beam2	5: ARCARECCI - LAMELLARE	0	90	717	722
Beam 694	Beam2	5: ARCARECCI - LAMELLARE	0	90	719	723
Beam 695	Beam2	5: ARCARECCI - LAMELLARE	0	90	720	724
Beam 696	Beam2	5: ARCARECCI - LAMELLARE	0	90	721	725

Beam 697	Beam2	5: ARCARECCI - LAMELLARE	0	90	722	726
Beam 698	Beam2	5: ARCARECCI - LAMELLARE	0	90	723	727
Beam 699	Beam2	5: ARCARECCI - LAMELLARE	0	90	724	728
Beam 700	Beam2	5: ARCARECCI - LAMELLARE	0	90	725	729
Beam 701	Beam2	5: ARCARECCI - LAMELLARE	0	90	726	730
Beam 702	Beam2	5: ARCARECCI - LAMELLARE	0	90	727	715
Beam 703	Beam2	5: ARCARECCI - LAMELLARE	0	90	728	716
Beam 704	Beam2	5: ARCARECCI - LAMELLARE	0	90	729	717
Beam 705	Beam2	5: ARCARECCI - LAMELLARE	0	90	730	718
Beam 706	Beam2	3: PRINCIPALI - ACCIAIO	0	90	731	735
Beam 707	Beam2	3: PRINCIPALI - ACCIAIO	0	90	732	736
Beam 708	Beam2	3: PRINCIPALI - ACCIAIO	0	90	733	737
Beam 709	Beam2	3: PRINCIPALI - ACCIAIO	0	90	734	738
Beam 710	Beam2	3: PRINCIPALI - ACCIAIO	0	90	739	743
Beam 711	Beam2	3: PRINCIPALI - ACCIAIO	0	90	740	744
Beam 712	Beam2	3: PRINCIPALI - ACCIAIO	0	90	741	745
Beam 713	Beam2	3: PRINCIPALI - ACCIAIO	0	90	742	746
Beam 714	Beam2	4: FICT 1	0	0	59	495
Beam 715	Beam2	4: FICT 1	0	0	60	496
Beam 716	Beam2	4: FICT 1	0	0	61	497
Beam 717	Beam2	4: FICT 1	0	0	62	498
Beam 718	Beam2	4: FICT 1	0	0	63	719
Beam 719	Beam2	4: FICT 1	0	0	64	720
Beam 720	Beam2	4: FICT 1	0	0	65	721
Beam 721	Beam2	4: FICT 1	0	0	66	722
Beam 722	Beam2	4: FICT 1	0	0	67	499
Beam 723	Beam2	4: FICT 1	0	0	68	500
Beam 724	Beam2	4: FICT 1	0	0	69	501
Beam 725	Beam2	4: FICT 1	0	0	70	502
Beam 726	Beam2	4: FICT 1	0	0	71	723
Beam 727	Beam2	4: FICT 1	0	0	72	724
Beam 728	Beam2	4: FICT 1	0	0	73	725
Beam 729	Beam2	4: FICT 1	0	0	74	726
Beam 730	Beam2	4: FICT 1	0	0	75	503
Beam 731	Beam2	4: FICT 1	0	0	76	504
Beam 732	Beam2	4: FICT 1	0	0	77	505
Beam 733	Beam2	4: FICT 1	0	0	78	506
Beam 734	Beam2	4: FICT 1	0	0	79	727
Beam 735	Beam2	4: FICT 1	0	0	80	728
Beam 736	Beam2	4: FICT 1	0	0	81	729
Beam 737	Beam2	4: FICT 1	0	0	82	730
Beam 738	Beam2	4: FICT 1	0	0	83	491
Beam 739	Beam2	4: FICT 1	0	0	84	492
Beam 740	Beam2	4: FICT 1	0	0	85	493
Beam 741	Beam2	4: FICT 1	0	0	86	494
Beam 742	Beam2	4: FICT 1	0	0	87	715
Beam 743	Beam2	4: FICT 1	0	0	88	716
Beam 744	Beam2	4: FICT 1	0	0	89	717
Beam 745	Beam2	4: FICT 1	0	0	90	718
Beam 746	Beam2	4: FICT 1	0	0	91	543

Beam 747	Beam2	4: FICT 1	0	0	92	544
Beam 748	Beam2	4: FICT 1	0	0	93	545
Beam 749	Beam2	4: FICT 1	0	0	94	546
Beam 750	Beam2	4: FICT 1	0	0	95	399
Beam 751	Beam2	4: FICT 1	0	0	96	400
Beam 752	Beam2	4: FICT 1	0	0	97	401
Beam 753	Beam2	4: FICT 1	0	0	98	402
Beam 754	Beam2	4: FICT 1	0	0	99	547
Beam 755	Beam2	4: FICT 1	0	0	100	548
Beam 756	Beam2	4: FICT 1	0	0	101	549
Beam 757	Beam2	4: FICT 1	0	0	102	550
Beam 758	Beam2	4: FICT 1	0	0	103	403
Beam 759	Beam2	4: FICT 1	0	0	104	404
Beam 760	Beam2	4: FICT 1	0	0	105	405
Beam 761	Beam2	4: FICT 1	0	0	106	406
Beam 762	Beam2	4: FICT 1	0	0	107	551
Beam 763	Beam2	4: FICT 1	0	0	108	552
Beam 764	Beam2	4: FICT 1	0	0	109	553
Beam 765	Beam2	4: FICT 1	0	0	110	554
Beam 766	Beam2	4: FICT 1	0	0	111	407
Beam 767	Beam2	4: FICT 1	0	0	112	408
Beam 768	Beam2	4: FICT 1	0	0	113	409
Beam 769	Beam2	4: FICT 1	0	0	114	410
Beam 770	Beam2	4: FICT 1	0	0	115	539
Beam 771	Beam2	4: FICT 1	0	0	116	540
Beam 772	Beam2	4: FICT 1	0	0	117	541
Beam 773	Beam2	4: FICT 1	0	0	118	542
Beam 774	Beam2	4: FICT 1	0	0	119	395
Beam 775	Beam2	4: FICT 1	0	0	120	396
Beam 776	Beam2	4: FICT 1	0	0	121	397
Beam 777	Beam2	4: FICT 1	0	0	122	398
Beam 778	Beam2	4: FICT 1	0	0	123	591
Beam 779	Beam2	4: FICT 1	0	0	124	592
Beam 780	Beam2	4: FICT 1	0	0	125	593
Beam 781	Beam2	4: FICT 1	0	0	126	594
Beam 782	Beam2	4: FICT 1	0	0	127	415
Beam 783	Beam2	4: FICT 1	0	0	128	416
Beam 784	Beam2	4: FICT 1	0	0	129	417
Beam 785	Beam2	4: FICT 1	0	0	130	418
Beam 786	Beam2	4: FICT 1	0	0	131	595
Beam 787	Beam2	4: FICT 1	0	0	132	596
Beam 788	Beam2	4: FICT 1	0	0	133	597
Beam 789	Beam2	4: FICT 1	0	0	134	598
Beam 790	Beam2	4: FICT 1	0	0	135	419
Beam 791	Beam2	4: FICT 1	0	0	136	420
Beam 792	Beam2	4: FICT 1	0	0	137	421
Beam 793	Beam2	4: FICT 1	0	0	138	422
Beam 794	Beam2	4: FICT 1	0	0	139	599
Beam 795	Beam2	4: FICT 1	0	0	140	600
Beam 796	Beam2	4: FICT 1	0	0	141	601

Beam 797	Beam2	4: FICT 1	0	0	142	602
Beam 798	Beam2	4: FICT 1	0	0	143	423
Beam 799	Beam2	4: FICT 1	0	0	144	424
Beam 800	Beam2	4: FICT 1	0	0	145	425
Beam 801	Beam2	4: FICT 1	0	0	146	426
Beam 802	Beam2	4: FICT 1	0	0	147	587
Beam 803	Beam2	4: FICT 1	0	0	148	588
Beam 804	Beam2	4: FICT 1	0	0	149	589
Beam 805	Beam2	4: FICT 1	0	0	150	590
Beam 806	Beam2	4: FICT 1	0	0	151	411
Beam 807	Beam2	4: FICT 1	0	0	152	412
Beam 808	Beam2	4: FICT 1	0	0	153	413
Beam 809	Beam2	4: FICT 1	0	0	154	414
Beam 810	Beam2	4: FICT 1	0	0	155	639
Beam 811	Beam2	4: FICT 1	0	0	156	640
Beam 812	Beam2	4: FICT 1	0	0	157	641
Beam 813	Beam2	4: FICT 1	0	0	158	642
Beam 814	Beam2	4: FICT 1	0	0	159	431
Beam 815	Beam2	4: FICT 1	0	0	160	432
Beam 816	Beam2	4: FICT 1	0	0	161	433
Beam 817	Beam2	4: FICT 1	0	0	162	434
Beam 818	Beam2	4: FICT 1	0	0	163	643
Beam 819	Beam2	4: FICT 1	0	0	164	644
Beam 820	Beam2	4: FICT 1	0	0	165	645
Beam 821	Beam2	4: FICT 1	0	0	166	646
Beam 822	Beam2	4: FICT 1	0	0	167	435
Beam 823	Beam2	4: FICT 1	0	0	168	436
Beam 824	Beam2	4: FICT 1	0	0	169	437
Beam 825	Beam2	4: FICT 1	0	0	170	438
Beam 826	Beam2	4: FICT 1	0	0	171	647
Beam 827	Beam2	4: FICT 1	0	0	172	648
Beam 828	Beam2	4: FICT 1	0	0	173	649
Beam 829	Beam2	4: FICT 1	0	0	174	650
Beam 830	Beam2	4: FICT 1	0	0	175	439
Beam 831	Beam2	4: FICT 1	0	0	176	440
Beam 832	Beam2	4: FICT 1	0	0	177	441
Beam 833	Beam2	4: FICT 1	0	0	178	442
Beam 834	Beam2	4: FICT 1	0	0	179	635
Beam 835	Beam2	4: FICT 1	0	0	180	636
Beam 836	Beam2	4: FICT 1	0	0	181	637
Beam 837	Beam2	4: FICT 1	0	0	182	638
Beam 838	Beam2	4: FICT 1	0	0	183	427
Beam 839	Beam2	4: FICT 1	0	0	184	428
Beam 840	Beam2	4: FICT 1	0	0	185	429
Beam 841	Beam2	4: FICT 1	0	0	186	430
Beam 842	Beam2	4: FICT 1	0	0	187	687
Beam 843	Beam2	4: FICT 1	0	0	188	688
Beam 844	Beam2	4: FICT 1	0	0	189	689
Beam 845	Beam2	4: FICT 1	0	0	190	690
Beam 846	Beam2	4: FICT 1	0	0	191	447

Beam 847	Beam2	4: FICT 1	0	0	192	448
Beam 848	Beam2	4: FICT 1	0	0	193	449
Beam 849	Beam2	4: FICT 1	0	0	194	450
Beam 850	Beam2	4: FICT 1	0	0	195	691
Beam 851	Beam2	4: FICT 1	0	0	196	692
Beam 852	Beam2	4: FICT 1	0	0	197	693
Beam 853	Beam2	4: FICT 1	0	0	198	694
Beam 854	Beam2	4: FICT 1	0	0	199	451
Beam 855	Beam2	4: FICT 1	0	0	200	452
Beam 856	Beam2	4: FICT 1	0	0	201	453
Beam 857	Beam2	4: FICT 1	0	0	202	454
Beam 858	Beam2	4: FICT 1	0	0	203	695
Beam 859	Beam2	4: FICT 1	0	0	204	696
Beam 860	Beam2	4: FICT 1	0	0	205	697
Beam 861	Beam2	4: FICT 1	0	0	206	698
Beam 862	Beam2	4: FICT 1	0	0	207	455
Beam 863	Beam2	4: FICT 1	0	0	208	456
Beam 864	Beam2	4: FICT 1	0	0	209	457
Beam 865	Beam2	4: FICT 1	0	0	210	458
Beam 866	Beam2	4: FICT 1	0	0	211	683
Beam 867	Beam2	4: FICT 1	0	0	212	684
Beam 868	Beam2	4: FICT 1	0	0	213	685
Beam 869	Beam2	4: FICT 1	0	0	214	686
Beam 870	Beam2	4: FICT 1	0	0	215	443
Beam 871	Beam2	4: FICT 1	0	0	216	444
Beam 872	Beam2	4: FICT 1	0	0	217	445
Beam 873	Beam2	4: FICT 1	0	0	218	446
Beam 874	Beam2	4: FICT 1	0	0	219	463
Beam 875	Beam2	4: FICT 1	0	0	220	464
Beam 876	Beam2	4: FICT 1	0	0	221	465
Beam 877	Beam2	4: FICT 1	0	0	222	466
Beam 878	Beam2	4: FICT 1	0	0	223	479
Beam 879	Beam2	4: FICT 1	0	0	224	480
Beam 880	Beam2	4: FICT 1	0	0	225	481
Beam 881	Beam2	4: FICT 1	0	0	226	482
Beam 882	Beam2	4: FICT 1	0	0	227	467
Beam 883	Beam2	4: FICT 1	0	0	228	468
Beam 884	Beam2	4: FICT 1	0	0	229	469
Beam 885	Beam2	4: FICT 1	0	0	230	470
Beam 886	Beam2	4: FICT 1	0	0	231	483
Beam 887	Beam2	4: FICT 1	0	0	232	484
Beam 888	Beam2	4: FICT 1	0	0	233	485
Beam 889	Beam2	4: FICT 1	0	0	234	486
Beam 890	Beam2	4: FICT 1	0	0	235	471
Beam 891	Beam2	4: FICT 1	0	0	236	472
Beam 892	Beam2	4: FICT 1	0	0	237	473
Beam 893	Beam2	4: FICT 1	0	0	238	474
Beam 894	Beam2	4: FICT 1	0	0	239	487
Beam 895	Beam2	4: FICT 1	0	0	240	488
Beam 896	Beam2	4: FICT 1	0	0	241	489

Beam 897	Beam2	4: FICT 1	0	0	242	490
Beam 898	Beam2	4: FICT 1	0	0	243	459
Beam 899	Beam2	4: FICT 1	0	0	244	460
Beam 900	Beam2	4: FICT 1	0	0	245	461
Beam 901	Beam2	4: FICT 1	0	0	246	462
Beam 902	Beam2	4: FICT 1	0	0	247	475
Beam 903	Beam2	4: FICT 1	0	0	248	476
Beam 904	Beam2	4: FICT 1	0	0	249	477
Beam 905	Beam2	4: FICT 1	0	0	250	478
Beam 906	Beam2	4: FICT 1	0	0	251	511
Beam 907	Beam2	4: FICT 1	0	0	252	512
Beam 908	Beam2	4: FICT 1	0	0	253	513
Beam 909	Beam2	4: FICT 1	0	0	254	514
Beam 910	Beam2	4: FICT 1	0	0	255	527
Beam 911	Beam2	4: FICT 1	0	0	256	528
Beam 912	Beam2	4: FICT 1	0	0	257	529
Beam 913	Beam2	4: FICT 1	0	0	258	530
Beam 914	Beam2	4: FICT 1	0	0	259	515
Beam 915	Beam2	4: FICT 1	0	0	260	516
Beam 916	Beam2	4: FICT 1	0	0	261	517
Beam 917	Beam2	4: FICT 1	0	0	262	518
Beam 918	Beam2	4: FICT 1	0	0	263	531
Beam 919	Beam2	4: FICT 1	0	0	264	532
Beam 920	Beam2	4: FICT 1	0	0	265	533
Beam 921	Beam2	4: FICT 1	0	0	266	534
Beam 922	Beam2	4: FICT 1	0	0	267	519
Beam 923	Beam2	4: FICT 1	0	0	268	520
Beam 924	Beam2	4: FICT 1	0	0	269	521
Beam 925	Beam2	4: FICT 1	0	0	270	522
Beam 926	Beam2	4: FICT 1	0	0	271	535
Beam 927	Beam2	4: FICT 1	0	0	272	536
Beam 928	Beam2	4: FICT 1	0	0	273	537
Beam 929	Beam2	4: FICT 1	0	0	274	538
Beam 930	Beam2	4: FICT 1	0	0	275	507
Beam 931	Beam2	4: FICT 1	0	0	276	508
Beam 932	Beam2	4: FICT 1	0	0	277	509
Beam 933	Beam2	4: FICT 1	0	0	278	510
Beam 934	Beam2	4: FICT 1	0	0	279	523
Beam 935	Beam2	4: FICT 1	0	0	280	524
Beam 936	Beam2	4: FICT 1	0	0	281	525
Beam 937	Beam2	4: FICT 1	0	0	282	526
Beam 938	Beam2	4: FICT 1	0	0	283	559
Beam 939	Beam2	4: FICT 1	0	0	284	560
Beam 940	Beam2	4: FICT 1	0	0	285	561
Beam 941	Beam2	4: FICT 1	0	0	286	562
Beam 942	Beam2	4: FICT 1	0	0	287	575
Beam 943	Beam2	4: FICT 1	0	0	288	576
Beam 944	Beam2	4: FICT 1	0	0	289	577
Beam 945	Beam2	4: FICT 1	0	0	290	578
Beam 946	Beam2	4: FICT 1	0	0	291	563

Beam 947	Beam2	4: FICT 1	0	0	292	564
Beam 948	Beam2	4: FICT 1	0	0	293	565
Beam 949	Beam2	4: FICT 1	0	0	294	566
Beam 950	Beam2	4: FICT 1	0	0	295	579
Beam 951	Beam2	4: FICT 1	0	0	296	580
Beam 952	Beam2	4: FICT 1	0	0	297	581
Beam 953	Beam2	4: FICT 1	0	0	298	582
Beam 954	Beam2	4: FICT 1	0	0	299	567
Beam 955	Beam2	4: FICT 1	0	0	300	568
Beam 956	Beam2	4: FICT 1	0	0	301	569
Beam 957	Beam2	4: FICT 1	0	0	302	570
Beam 958	Beam2	4: FICT 1	0	0	303	583
Beam 959	Beam2	4: FICT 1	0	0	304	584
Beam 960	Beam2	4: FICT 1	0	0	305	585
Beam 961	Beam2	4: FICT 1	0	0	306	586
Beam 962	Beam2	4: FICT 1	0	0	307	555
Beam 963	Beam2	4: FICT 1	0	0	308	556
Beam 964	Beam2	4: FICT 1	0	0	309	557
Beam 965	Beam2	4: FICT 1	0	0	310	558
Beam 966	Beam2	4: FICT 1	0	0	311	571
Beam 967	Beam2	4: FICT 1	0	0	312	572
Beam 968	Beam2	4: FICT 1	0	0	313	573
Beam 969	Beam2	4: FICT 1	0	0	314	574
Beam 970	Beam2	4: FICT 1	0	0	315	607
Beam 971	Beam2	4: FICT 1	0	0	316	608
Beam 972	Beam2	4: FICT 1	0	0	317	609
Beam 973	Beam2	4: FICT 1	0	0	318	610
Beam 974	Beam2	4: FICT 1	0	0	319	623
Beam 975	Beam2	4: FICT 1	0	0	320	624
Beam 976	Beam2	4: FICT 1	0	0	321	625
Beam 977	Beam2	4: FICT 1	0	0	322	626
Beam 978	Beam2	4: FICT 1	0	0	323	611
Beam 979	Beam2	4: FICT 1	0	0	324	612
Beam 980	Beam2	4: FICT 1	0	0	325	613
Beam 981	Beam2	4: FICT 1	0	0	326	614
Beam 982	Beam2	4: FICT 1	0	0	327	627
Beam 983	Beam2	4: FICT 1	0	0	328	628
Beam 984	Beam2	4: FICT 1	0	0	329	629
Beam 985	Beam2	4: FICT 1	0	0	330	630
Beam 986	Beam2	4: FICT 1	0	0	331	615
Beam 987	Beam2	4: FICT 1	0	0	332	616
Beam 988	Beam2	4: FICT 1	0	0	333	617
Beam 989	Beam2	4: FICT 1	0	0	334	618
Beam 990	Beam2	4: FICT 1	0	0	335	631
Beam 991	Beam2	4: FICT 1	0	0	336	632
Beam 992	Beam2	4: FICT 1	0	0	337	633
Beam 993	Beam2	4: FICT 1	0	0	338	634
Beam 994	Beam2	4: FICT 1	0	0	339	603
Beam 995	Beam2	4: FICT 1	0	0	340	604
Beam 996	Beam2	4: FICT 1	0	0	341	605

Beam 997	Beam2	4: FICT 1	0	0	342	606
Beam 998	Beam2	4: FICT 1	0	0	343	619
Beam 999	Beam2	4: FICT 1	0	0	344	620
Beam 1000	Beam2	4: FICT 1	0	0	345	621
Beam 1001	Beam2	4: FICT 1	0	0	346	622
Beam 1002	Beam2	4: FICT 1	0	0	347	703
Beam 1003	Beam2	4: FICT 1	0	0	348	704
Beam 1004	Beam2	4: FICT 1	0	0	349	705
Beam 1005	Beam2	4: FICT 1	0	0	350	706
Beam 1006	Beam2	4: FICT 1	0	0	351	655
Beam 1007	Beam2	4: FICT 1	0	0	352	656
Beam 1008	Beam2	4: FICT 1	0	0	353	657
Beam 1009	Beam2	4: FICT 1	0	0	354	658
Beam 1010	Beam2	4: FICT 1	0	0	355	671
Beam 1011	Beam2	4: FICT 1	0	0	356	672
Beam 1012	Beam2	4: FICT 1	0	0	357	673
Beam 1013	Beam2	4: FICT 1	0	0	358	674
Beam 1014	Beam2	4: FICT 1	0	0	359	707
Beam 1015	Beam2	4: FICT 1	0	0	360	708
Beam 1016	Beam2	4: FICT 1	0	0	361	709
Beam 1017	Beam2	4: FICT 1	0	0	362	710
Beam 1018	Beam2	4: FICT 1	0	0	363	659
Beam 1019	Beam2	4: FICT 1	0	0	364	660
Beam 1020	Beam2	4: FICT 1	0	0	365	661
Beam 1021	Beam2	4: FICT 1	0	0	366	662
Beam 1022	Beam2	4: FICT 1	0	0	367	675
Beam 1023	Beam2	4: FICT 1	0	0	368	676
Beam 1024	Beam2	4: FICT 1	0	0	369	677
Beam 1025	Beam2	4: FICT 1	0	0	370	678
Beam 1026	Beam2	4: FICT 1	0	0	371	711
Beam 1027	Beam2	4: FICT 1	0	0	372	712
Beam 1028	Beam2	4: FICT 1	0	0	373	713
Beam 1029	Beam2	4: FICT 1	0	0	374	714
Beam 1030	Beam2	4: FICT 1	0	0	375	663
Beam 1031	Beam2	4: FICT 1	0	0	376	664
Beam 1032	Beam2	4: FICT 1	0	0	377	665
Beam 1033	Beam2	4: FICT 1	0	0	378	666
Beam 1034	Beam2	4: FICT 1	0	0	379	679
Beam 1035	Beam2	4: FICT 1	0	0	380	680
Beam 1036	Beam2	4: FICT 1	0	0	381	681
Beam 1037	Beam2	4: FICT 1	0	0	382	682
Beam 1038	Beam2	4: FICT 1	0	0	383	699
Beam 1039	Beam2	4: FICT 1	0	0	384	700
Beam 1040	Beam2	4: FICT 1	0	0	385	701
Beam 1041	Beam2	4: FICT 1	0	0	386	702
Beam 1042	Beam2	4: FICT 1	0	0	387	651
Beam 1043	Beam2	4: FICT 1	0	0	388	652
Beam 1044	Beam2	4: FICT 1	0	0	389	653
Beam 1045	Beam2	4: FICT 1	0	0	390	654
Beam 1046	Beam2	4: FICT 1	0	0	391	667

Beam 1047	Beam2	4: FICT 1	0	0	392	668
Beam 1048	Beam2	4: FICT 1	0	0	393	669
Beam 1049	Beam2	4: FICT 1	0	0	394	670
Beam 1050	Beam2	6: FICT 2	0	0	747	751
Beam 1051	Beam2	6: FICT 2	0	0	748	752
Beam 1052	Beam2	6: FICT 2	0	0	749	753
Beam 1053	Beam2	6: FICT 2	0	0	750	754
Beam 1054	Beam2	6: FICT 2	0	0	755	759
Beam 1055	Beam2	6: FICT 2	0	0	756	760
Beam 1056	Beam2	6: FICT 2	0	0	757	761
Beam 1057	Beam2	6: FICT 2	0	0	758	762
Beam 1058	Beam2	6: FICT 2	0	0	747	763
Beam 1059	Beam2	6: FICT 2	0	0	748	764
Beam 1060	Beam2	6: FICT 2	0	0	749	765
Beam 1061	Beam2	6: FICT 2	0	0	750	766
Beam 1062	Beam2	6: FICT 2	0	0	755	767
Beam 1063	Beam2	6: FICT 2	0	0	756	768
Beam 1064	Beam2	6: FICT 2	0	0	757	769
Beam 1065	Beam2	6: FICT 2	0	0	758	770
Beam 1066	Beam2	4: FICT 1	0	0	63	771
Beam 1067	Beam2	4: FICT 1	0	0	64	772
Beam 1068	Beam2	4: FICT 1	0	0	65	773
Beam 1069	Beam2	4: FICT 1	0	0	66	774
Beam 1070	Beam2	4: FICT 1	0	0	71	775
Beam 1071	Beam2	4: FICT 1	0	0	72	776
Beam 1072	Beam2	4: FICT 1	0	0	73	777
Beam 1073	Beam2	4: FICT 1	0	0	74	778
Beam 1074	Beam2	4: FICT 1	0	0	79	779
Beam 1075	Beam2	4: FICT 1	0	0	80	780
Beam 1076	Beam2	4: FICT 1	0	0	81	781
Beam 1077	Beam2	4: FICT 1	0	0	82	782
Beam 1078	Beam2	4: FICT 1	0	0	87	767
Beam 1079	Beam2	4: FICT 1	0	0	88	768
Beam 1080	Beam2	4: FICT 1	0	0	89	769
Beam 1081	Beam2	4: FICT 1	0	0	90	770
Beam 1082	Beam2	4: FICT 1	0	0	347	783
Beam 1083	Beam2	4: FICT 1	0	0	348	784
Beam 1084	Beam2	4: FICT 1	0	0	349	785
Beam 1085	Beam2	4: FICT 1	0	0	350	786
Beam 1086	Beam2	4: FICT 1	0	0	359	787
Beam 1087	Beam2	4: FICT 1	0	0	360	788
Beam 1088	Beam2	4: FICT 1	0	0	361	789
Beam 1089	Beam2	4: FICT 1	0	0	362	790
Beam 1090	Beam2	4: FICT 1	0	0	371	791
Beam 1091	Beam2	4: FICT 1	0	0	372	792
Beam 1092	Beam2	4: FICT 1	0	0	373	793
Beam 1093	Beam2	4: FICT 1	0	0	374	794
Beam 1094	Beam2	4: FICT 1	0	0	383	763
Beam 1095	Beam2	4: FICT 1	0	0	384	764
Beam 1096	Beam2	4: FICT 1	0	0	385	765

Beam 1097	Beam2	4: FICT 1	0	0	386	766
Beam 1098	Beam2	6: FICT 2	0	0	795	791
Beam 1099	Beam2	6: FICT 2	0	0	796	792
Beam 1100	Beam2	6: FICT 2	0	0	797	793
Beam 1101	Beam2	6: FICT 2	0	0	798	794
Beam 1102	Beam2	6: FICT 2	0	0	799	787
Beam 1103	Beam2	6: FICT 2	0	0	800	788
Beam 1104	Beam2	6: FICT 2	0	0	801	789
Beam 1105	Beam2	6: FICT 2	0	0	802	790
Beam 1106	Beam2	6: FICT 2	0	0	735	783
Beam 1107	Beam2	6: FICT 2	0	0	736	784
Beam 1108	Beam2	6: FICT 2	0	0	737	785
Beam 1109	Beam2	6: FICT 2	0	0	738	786
Beam 1110	Beam2	6: FICT 2	0	0	803	779
Beam 1111	Beam2	6: FICT 2	0	0	804	780
Beam 1112	Beam2	6: FICT 2	0	0	805	781
Beam 1113	Beam2	6: FICT 2	0	0	806	782
Beam 1114	Beam2	6: FICT 2	0	0	807	775
Beam 1115	Beam2	6: FICT 2	0	0	808	776
Beam 1116	Beam2	6: FICT 2	0	0	809	777
Beam 1117	Beam2	6: FICT 2	0	0	810	778
Beam 1118	Beam2	6: FICT 2	0	0	743	771
Beam 1119	Beam2	6: FICT 2	0	0	744	772
Beam 1120	Beam2	6: FICT 2	0	0	745	773
Beam 1121	Beam2	6: FICT 2	0	0	746	774
Beam 1122	Beam2	27: principali rinforzate	0	90	811	747
Beam 1123	Beam2	27: principali rinforzate	0	90	812	748
Beam 1124	Beam2	27: principali rinforzate	0	90	813	749
Beam 1125	Beam2	3: PRINCIPALI - ACCIAIO	0	90	814	750
Beam 1126	Beam2	3: PRINCIPALI - ACCIAIO	0	90	815	795
Beam 1127	Beam2	3: PRINCIPALI - ACCIAIO	0	90	816	796
Beam 1128	Beam2	3: PRINCIPALI - ACCIAIO	0	90	817	797
Beam 1129	Beam2	3: PRINCIPALI - ACCIAIO	0	90	818	798
Beam 1130	Beam2	3: PRINCIPALI - ACCIAIO	0	90	819	799
Beam 1131	Beam2	3: PRINCIPALI - ACCIAIO	0	90	820	800
Beam 1132	Beam2	3: PRINCIPALI - ACCIAIO	0	90	821	801
Beam 1133	Beam2	3: PRINCIPALI - ACCIAIO	0	90	822	802
Beam 1134	Beam2	27: principali rinforzate	0	90	823	755
Beam 1135	Beam2	27: principali rinforzate	0	90	824	756
Beam 1136	Beam2	27: principali rinforzate	0	90	825	757
Beam 1137	Beam2	3: PRINCIPALI - ACCIAIO	0	90	826	758
Beam 1138	Beam2	3: PRINCIPALI - ACCIAIO	0	90	827	803
Beam 1139	Beam2	3: PRINCIPALI - ACCIAIO	0	90	828	804
Beam 1140	Beam2	3: PRINCIPALI - ACCIAIO	0	90	829	805
Beam 1141	Beam2	3: PRINCIPALI - ACCIAIO	0	90	830	806
Beam 1142	Beam2	3: PRINCIPALI - ACCIAIO	0	90	831	807
Beam 1143	Beam2	3: PRINCIPALI - ACCIAIO	0	90	832	808
Beam 1144	Beam2	3: PRINCIPALI - ACCIAIO	0	90	833	809
Beam 1145	Beam2	3: PRINCIPALI - ACCIAIO	0	90	834	810
Beam 1146	Beam2	8: CONTROVENTI	0	0	44	431

Beam 1147	Beam2	8: CONTROVENTI	0	0	715	432
Beam 1148	Beam2	8: CONTROVENTI	0	0	431	25
Beam 1149	Beam2	8: CONTROVENTI	0	0	432	411
Beam 1150	Beam2	8: CONTROVENTI	0	0	25	447
Beam 1151	Beam2	8: CONTROVENTI	0	0	411	448
Beam 1152	Beam2	8: CONTROVENTI	0	0	447	43
Beam 1153	Beam2	8: CONTROVENTI	0	0	448	699
Beam 1154	Beam2	8: CONTROVENTI	0	0	44	399
Beam 1155	Beam2	8: CONTROVENTI	0	0	715	400
Beam 1156	Beam2	8: CONTROVENTI	0	0	717	441
Beam 1157	Beam2	8: CONTROVENTI	0	0	718	442
Beam 1158	Beam2	8: CONTROVENTI	0	0	441	413
Beam 1159	Beam2	8: CONTROVENTI	0	0	442	414
Beam 1160	Beam2	8: CONTROVENTI	0	0	413	457
Beam 1161	Beam2	8: CONTROVENTI	0	0	414	458
Beam 1162	Beam2	8: CONTROVENTI	0	0	457	701
Beam 1163	Beam2	8: CONTROVENTI	0	0	458	702
Beam 1164	Beam2	8: CONTROVENTI	0	0	717	409
Beam 1165	Beam2	8: CONTROVENTI	0	0	718	410
Beam 1166	Beam2	3: PRINCIPALI - ACCIAIO	0	90	45	731
Beam 1167	Beam2	27: principali rinforzate	0	90	747	732
Beam 1168	Beam2	27: principali rinforzate	0	90	748	733
Beam 1169	Beam2	27: principali rinforzate	0	90	749	734
Beam 1170	Beam2	3: PRINCIPALI - ACCIAIO	0	90	46	739
Beam 1171	Beam2	27: principali rinforzate	0	90	755	740
Beam 1172	Beam2	27: principali rinforzate	0	90	756	741
Beam 1173	Beam2	27: principali rinforzate	0	90	757	742
Beam 1174	Beam2	3: PRINCIPALI - ACCIAIO	0	90	795	811
Beam 1175	Beam2	3: PRINCIPALI - ACCIAIO	0	90	796	812
Beam 1176	Beam2	3: PRINCIPALI - ACCIAIO	0	90	797	813
Beam 1177	Beam2	3: PRINCIPALI - ACCIAIO	0	90	798	814
Beam 1178	Beam2	3: PRINCIPALI - ACCIAIO	0	90	799	815
Beam 1179	Beam2	3: PRINCIPALI - ACCIAIO	0	90	800	816
Beam 1180	Beam2	3: PRINCIPALI - ACCIAIO	0	90	801	817
Beam 1181	Beam2	3: PRINCIPALI - ACCIAIO	0	90	802	818
Beam 1182	Beam2	3: PRINCIPALI - ACCIAIO	0	90	735	819
Beam 1183	Beam2	3: PRINCIPALI - ACCIAIO	0	90	736	820
Beam 1184	Beam2	3: PRINCIPALI - ACCIAIO	0	90	737	821
Beam 1185	Beam2	3: PRINCIPALI - ACCIAIO	0	90	738	822
Beam 1186	Beam2	3: PRINCIPALI - ACCIAIO	0	90	803	823
Beam 1187	Beam2	3: PRINCIPALI - ACCIAIO	0	90	804	824
Beam 1188	Beam2	3: PRINCIPALI - ACCIAIO	0	90	805	825
Beam 1189	Beam2	3: PRINCIPALI - ACCIAIO	0	90	806	826
Beam 1190	Beam2	3: PRINCIPALI - ACCIAIO	0	90	807	827
Beam 1191	Beam2	3: PRINCIPALI - ACCIAIO	0	90	808	828
Beam 1192	Beam2	3: PRINCIPALI - ACCIAIO	0	90	809	829
Beam 1193	Beam2	3: PRINCIPALI - ACCIAIO	0	90	810	830
Beam 1194	Beam2	3: PRINCIPALI - ACCIAIO	0	90	743	831
Beam 1195	Beam2	3: PRINCIPALI - ACCIAIO	0	90	744	832
Beam 1196	Beam2	3: PRINCIPALI - ACCIAIO	0	90	745	833

Beam 1197	Beam2	3: PRINCIPALI - ACCIAIO	0	90	746	834
Beam 1328	Beam2	21: FICT 3	0	0	903	44
Beam 1329	Beam2	21: FICT 3	0	0	904	30
Beam 1330	Beam2	21: FICT 3	0	0	905	495
Beam 1331	Beam2	21: FICT 3	0	0	906	719
Beam 1332	Beam2	21: FICT 3	0	0	907	715
Beam 1333	Beam2	21: FICT 3	0	0	908	491
Beam 1334	Beam2	21: FICT 3	0	0	909	496
Beam 1335	Beam2	21: FICT 3	0	0	910	720
Beam 1336	Beam2	21: FICT 3	0	0	911	716
Beam 1337	Beam2	21: FICT 3	0	0	912	492
Beam 1338	Beam2	21: FICT 3	0	0	913	497
Beam 1339	Beam2	21: FICT 3	0	0	914	721
Beam 1340	Beam2	21: FICT 3	0	0	915	717
Beam 1341	Beam2	21: FICT 3	0	0	916	493
Beam 1342	Beam2	21: FICT 3	0	0	917	498
Beam 1343	Beam2	21: FICT 3	0	0	918	722
Beam 1344	Beam2	21: FICT 3	0	0	919	24
Beam 1345	Beam2	21: FICT 3	0	0	920	33
Beam 1346	Beam2	21: FICT 3	0	0	921	543
Beam 1347	Beam2	21: FICT 3	0	0	922	399
Beam 1348	Beam2	21: FICT 3	0	0	923	395
Beam 1349	Beam2	21: FICT 3	0	0	924	539
Beam 1350	Beam2	21: FICT 3	0	0	925	544
Beam 1351	Beam2	21: FICT 3	0	0	926	400
Beam 1352	Beam2	21: FICT 3	0	0	927	396
Beam 1353	Beam2	21: FICT 3	0	0	928	540
Beam 1354	Beam2	21: FICT 3	0	0	929	545
Beam 1355	Beam2	21: FICT 3	0	0	930	401
Beam 1356	Beam2	21: FICT 3	0	0	931	397
Beam 1357	Beam2	21: FICT 3	0	0	932	541
Beam 1358	Beam2	21: FICT 3	0	0	933	546
Beam 1359	Beam2	21: FICT 3	0	0	934	402
Beam 1360	Beam2	21: FICT 3	0	0	935	25
Beam 1361	Beam2	21: FICT 3	0	0	936	36
Beam 1362	Beam2	21: FICT 3	0	0	937	591
Beam 1363	Beam2	21: FICT 3	0	0	938	415
Beam 1364	Beam2	21: FICT 3	0	0	939	411
Beam 1365	Beam2	21: FICT 3	0	0	940	587
Beam 1366	Beam2	21: FICT 3	0	0	941	592
Beam 1367	Beam2	21: FICT 3	0	0	942	416
Beam 1368	Beam2	21: FICT 3	0	0	943	412
Beam 1369	Beam2	21: FICT 3	0	0	944	588
Beam 1370	Beam2	21: FICT 3	0	0	945	593
Beam 1371	Beam2	21: FICT 3	0	0	946	417
Beam 1372	Beam2	21: FICT 3	0	0	947	413
Beam 1373	Beam2	21: FICT 3	0	0	948	589
Beam 1374	Beam2	21: FICT 3	0	0	949	594
Beam 1375	Beam2	21: FICT 3	0	0	950	418
Beam 1376	Beam2	21: FICT 3	0	0	951	26

Beam 137	Beam2	21: FICT 3	0	0	952	39
Beam 137	Beam2	21: FICT 3	0	0	953	639
Beam 137	Beam2	21: FICT 3	0	0	954	431
Beam 138	Beam2	21: FICT 3	0	0	955	427
Beam 138	Beam2	21: FICT 3	0	0	956	635
Beam 138	Beam2	21: FICT 3	0	0	957	640
Beam 138	Beam2	21: FICT 3	0	0	958	432
Beam 138	Beam2	21: FICT 3	0	0	959	428
Beam 138	Beam2	21: FICT 3	0	0	960	636
Beam 138	Beam2	21: FICT 3	0	0	961	641
Beam 138	Beam2	21: FICT 3	0	0	962	433
Beam 138	Beam2	21: FICT 3	0	0	963	429
Beam 138	Beam2	21: FICT 3	0	0	964	637
Beam 139	Beam2	21: FICT 3	0	0	965	642
Beam 139	Beam2	21: FICT 3	0	0	966	434
Beam 139	Beam2	21: FICT 3	0	0	967	27
Beam 139	Beam2	21: FICT 3	0	0	968	42
Beam 139	Beam2	21: FICT 3	0	0	969	687
Beam 139	Beam2	21: FICT 3	0	0	970	447
Beam 139	Beam2	21: FICT 3	0	0	971	443
Beam 139	Beam2	21: FICT 3	0	0	972	683
Beam 139	Beam2	21: FICT 3	0	0	973	688
Beam 139	Beam2	21: FICT 3	0	0	974	448
Beam 140	Beam2	21: FICT 3	0	0	975	444
Beam 140	Beam2	21: FICT 3	0	0	976	684
Beam 140	Beam2	21: FICT 3	0	0	977	689
Beam 140	Beam2	21: FICT 3	0	0	978	449
Beam 140	Beam2	21: FICT 3	0	0	979	445
Beam 140	Beam2	21: FICT 3	0	0	980	685
Beam 140	Beam2	21: FICT 3	0	0	981	690
Beam 140	Beam2	21: FICT 3	0	0	982	450
Beam 140	Beam2	21: FICT 3	0	0	983	499
Beam 140	Beam2	21: FICT 3	0	0	984	723
Beam 141	Beam2	21: FICT 3	0	0	985	500
Beam 141	Beam2	21: FICT 3	0	0	986	724
Beam 141	Beam2	21: FICT 3	0	0	987	501
Beam 141	Beam2	21: FICT 3	0	0	988	725
Beam 141	Beam2	21: FICT 3	0	0	989	502
Beam 141	Beam2	21: FICT 3	0	0	990	726
Beam 141	Beam2	21: FICT 3	0	0	991	503
Beam 141	Beam2	21: FICT 3	0	0	992	727
Beam 141	Beam2	21: FICT 3	0	0	993	504
Beam 141	Beam2	21: FICT 3	0	0	994	728
Beam 142	Beam2	21: FICT 3	0	0	995	505
Beam 142	Beam2	21: FICT 3	0	0	996	729
Beam 142	Beam2	21: FICT 3	0	0	997	506
Beam 142	Beam2	21: FICT 3	0	0	998	730
Beam 142	Beam2	21: FICT 3	0	0	999	494
Beam 142	Beam2	21: FICT 3	0	0	1000	718
Beam 142	Beam2	21: FICT 3	0	0	1001	547

Beam 142	Beam2	21: FICT 3	0	0	1002	403
Beam 142	Beam2	21: FICT 3	0	0	1003	548
Beam 142	Beam2	21: FICT 3	0	0	1004	404
Beam 143	Beam2	21: FICT 3	0	0	1005	549
Beam 143	Beam2	21: FICT 3	0	0	1006	405
Beam 143	Beam2	21: FICT 3	0	0	1007	550
Beam 143	Beam2	21: FICT 3	0	0	1008	406
Beam 143	Beam2	21: FICT 3	0	0	1009	551
Beam 143	Beam2	21: FICT 3	0	0	1010	407
Beam 143	Beam2	21: FICT 3	0	0	1011	552
Beam 143	Beam2	21: FICT 3	0	0	1012	408
Beam 143	Beam2	21: FICT 3	0	0	1013	553
Beam 143	Beam2	21: FICT 3	0	0	1014	409
Beam 144	Beam2	21: FICT 3	0	0	1015	554
Beam 144	Beam2	21: FICT 3	0	0	1016	410
Beam 144	Beam2	21: FICT 3	0	0	1017	542
Beam 144	Beam2	21: FICT 3	0	0	1018	398
Beam 144	Beam2	21: FICT 3	0	0	1019	595
Beam 144	Beam2	21: FICT 3	0	0	1020	419
Beam 144	Beam2	21: FICT 3	0	0	1021	596
Beam 144	Beam2	21: FICT 3	0	0	1022	420
Beam 144	Beam2	21: FICT 3	0	0	1023	597
Beam 144	Beam2	21: FICT 3	0	0	1024	421
Beam 145	Beam2	21: FICT 3	0	0	1025	598
Beam 145	Beam2	21: FICT 3	0	0	1026	422
Beam 145	Beam2	21: FICT 3	0	0	1027	599
Beam 145	Beam2	21: FICT 3	0	0	1028	423
Beam 145	Beam2	21: FICT 3	0	0	1029	600
Beam 145	Beam2	21: FICT 3	0	0	1030	424
Beam 145	Beam2	21: FICT 3	0	0	1031	601
Beam 145	Beam2	21: FICT 3	0	0	1032	425
Beam 145	Beam2	21: FICT 3	0	0	1033	602
Beam 145	Beam2	21: FICT 3	0	0	1034	426
Beam 146	Beam2	21: FICT 3	0	0	1035	590
Beam 146	Beam2	21: FICT 3	0	0	1036	414
Beam 146	Beam2	21: FICT 3	0	0	1037	643
Beam 146	Beam2	21: FICT 3	0	0	1038	435
Beam 146	Beam2	21: FICT 3	0	0	1039	644
Beam 146	Beam2	21: FICT 3	0	0	1040	436
Beam 146	Beam2	21: FICT 3	0	0	1041	645
Beam 146	Beam2	21: FICT 3	0	0	1042	437
Beam 146	Beam2	21: FICT 3	0	0	1043	646
Beam 146	Beam2	21: FICT 3	0	0	1044	438
Beam 147	Beam2	21: FICT 3	0	0	1045	647
Beam 147	Beam2	21: FICT 3	0	0	1046	439
Beam 147	Beam2	21: FICT 3	0	0	1047	648
Beam 147	Beam2	21: FICT 3	0	0	1048	440
Beam 147	Beam2	21: FICT 3	0	0	1049	649
Beam 147	Beam2	21: FICT 3	0	0	1050	441
Beam 147	Beam2	21: FICT 3	0	0	1051	650

Beam 147	Beam2	21: FICT 3	0	0	1052	442
Beam 147	Beam2	21: FICT 3	0	0	1053	638
Beam 147	Beam2	21: FICT 3	0	0	1054	430
Beam 148	Beam2	21: FICT 3	0	0	1055	691
Beam 148	Beam2	21: FICT 3	0	0	1056	451
Beam 148	Beam2	21: FICT 3	0	0	1057	692
Beam 148	Beam2	21: FICT 3	0	0	1058	452
Beam 148	Beam2	21: FICT 3	0	0	1059	693
Beam 148	Beam2	21: FICT 3	0	0	1060	453
Beam 148	Beam2	21: FICT 3	0	0	1061	694
Beam 148	Beam2	21: FICT 3	0	0	1062	454
Beam 148	Beam2	21: FICT 3	0	0	1063	695
Beam 148	Beam2	21: FICT 3	0	0	1064	455
Beam 149	Beam2	21: FICT 3	0	0	1065	696
Beam 149	Beam2	21: FICT 3	0	0	1066	456
Beam 149	Beam2	21: FICT 3	0	0	1067	697
Beam 149	Beam2	21: FICT 3	0	0	1068	457
Beam 149	Beam2	21: FICT 3	0	0	1069	698
Beam 149	Beam2	21: FICT 3	0	0	1070	458
Beam 149	Beam2	21: FICT 3	0	0	1071	686
Beam 149	Beam2	21: FICT 3	0	0	1072	446
Beam 149	Beam2	21: FICT 3	0	0	1073	28
Beam 149	Beam2	21: FICT 3	0	0	1074	463
Beam 150	Beam2	21: FICT 3	0	0	1075	459
Beam 150	Beam2	21: FICT 3	0	0	1076	464
Beam 150	Beam2	21: FICT 3	0	0	1077	460
Beam 150	Beam2	21: FICT 3	0	0	1078	465
Beam 150	Beam2	21: FICT 3	0	0	1079	461
Beam 150	Beam2	21: FICT 3	0	0	1080	466
Beam 150	Beam2	21: FICT 3	0	0	1081	29
Beam 150	Beam2	21: FICT 3	0	0	1082	479
Beam 150	Beam2	21: FICT 3	0	0	1083	475
Beam 150	Beam2	21: FICT 3	0	0	1084	480
Beam 151	Beam2	21: FICT 3	0	0	1085	476
Beam 151	Beam2	21: FICT 3	0	0	1086	481
Beam 151	Beam2	21: FICT 3	0	0	1087	477
Beam 151	Beam2	21: FICT 3	0	0	1088	482
Beam 151	Beam2	21: FICT 3	0	0	1089	31
Beam 151	Beam2	21: FICT 3	0	0	1090	511
Beam 151	Beam2	21: FICT 3	0	0	1091	507
Beam 151	Beam2	21: FICT 3	0	0	1092	512
Beam 151	Beam2	21: FICT 3	0	0	1093	508
Beam 151	Beam2	21: FICT 3	0	0	1094	513
Beam 152	Beam2	21: FICT 3	0	0	1095	509
Beam 152	Beam2	21: FICT 3	0	0	1096	514
Beam 152	Beam2	21: FICT 3	0	0	1097	32
Beam 152	Beam2	21: FICT 3	0	0	1098	527
Beam 152	Beam2	21: FICT 3	0	0	1099	523
Beam 152	Beam2	21: FICT 3	0	0	1100	528
Beam 152	Beam2	21: FICT 3	0	0	1101	524

Beam 152	Beam2	21: FICT 3	0	0	1102	529
Beam 152	Beam2	21: FICT 3	0	0	1103	525
Beam 152	Beam2	21: FICT 3	0	0	1104	530
Beam 153	Beam2	21: FICT 3	0	0	1105	34
Beam 153	Beam2	21: FICT 3	0	0	1106	559
Beam 153	Beam2	21: FICT 3	0	0	1107	555
Beam 153	Beam2	21: FICT 3	0	0	1108	560
Beam 153	Beam2	21: FICT 3	0	0	1109	556
Beam 153	Beam2	21: FICT 3	0	0	1110	561
Beam 153	Beam2	21: FICT 3	0	0	1111	557
Beam 153	Beam2	21: FICT 3	0	0	1112	562
Beam 153	Beam2	21: FICT 3	0	0	1113	35
Beam 153	Beam2	21: FICT 3	0	0	1114	575
Beam 154	Beam2	21: FICT 3	0	0	1115	571
Beam 154	Beam2	21: FICT 3	0	0	1116	576
Beam 154	Beam2	21: FICT 3	0	0	1117	572
Beam 154	Beam2	21: FICT 3	0	0	1118	577
Beam 154	Beam2	21: FICT 3	0	0	1119	573
Beam 154	Beam2	21: FICT 3	0	0	1120	578
Beam 154	Beam2	21: FICT 3	0	0	1121	37
Beam 154	Beam2	21: FICT 3	0	0	1122	607
Beam 154	Beam2	21: FICT 3	0	0	1123	603
Beam 154	Beam2	21: FICT 3	0	0	1124	608
Beam 155	Beam2	21: FICT 3	0	0	1125	604
Beam 155	Beam2	21: FICT 3	0	0	1126	609
Beam 155	Beam2	21: FICT 3	0	0	1127	605
Beam 155	Beam2	21: FICT 3	0	0	1128	610
Beam 155	Beam2	21: FICT 3	0	0	1129	38
Beam 155	Beam2	21: FICT 3	0	0	1130	623
Beam 155	Beam2	21: FICT 3	0	0	1131	619
Beam 155	Beam2	21: FICT 3	0	0	1132	624
Beam 155	Beam2	21: FICT 3	0	0	1133	620
Beam 155	Beam2	21: FICT 3	0	0	1134	625
Beam 156	Beam2	21: FICT 3	0	0	1135	621
Beam 156	Beam2	21: FICT 3	0	0	1136	626
Beam 156	Beam2	21: FICT 3	0	0	1137	40
Beam 156	Beam2	21: FICT 3	0	0	1138	43
Beam 156	Beam2	21: FICT 3	0	0	1139	703
Beam 156	Beam2	21: FICT 3	0	0	1140	655
Beam 156	Beam2	21: FICT 3	0	0	1141	651
Beam 156	Beam2	21: FICT 3	0	0	1142	699
Beam 156	Beam2	21: FICT 3	0	0	1143	704
Beam 156	Beam2	21: FICT 3	0	0	1144	656
Beam 157	Beam2	21: FICT 3	0	0	1145	652
Beam 157	Beam2	21: FICT 3	0	0	1146	700
Beam 157	Beam2	21: FICT 3	0	0	1147	705
Beam 157	Beam2	21: FICT 3	0	0	1148	657
Beam 157	Beam2	21: FICT 3	0	0	1149	653
Beam 157	Beam2	21: FICT 3	0	0	1150	701
Beam 157	Beam2	21: FICT 3	0	0	1151	706

Beam 157	Beam2	21: FICT 3	0	0	1152	658
Beam 157	Beam2	21: FICT 3	0	0	1153	41
Beam 157	Beam2	21: FICT 3	0	0	1154	671
Beam 158	Beam2	21: FICT 3	0	0	1155	667
Beam 158	Beam2	21: FICT 3	0	0	1156	672
Beam 158	Beam2	21: FICT 3	0	0	1157	668
Beam 158	Beam2	21: FICT 3	0	0	1158	673
Beam 158	Beam2	21: FICT 3	0	0	1159	669
Beam 158	Beam2	21: FICT 3	0	0	1160	674
Beam 158	Beam2	21: FICT 3	0	0	1161	467
Beam 158	Beam2	21: FICT 3	0	0	1162	468
Beam 158	Beam2	21: FICT 3	0	0	1163	469
Beam 158	Beam2	21: FICT 3	0	0	1164	470
Beam 159	Beam2	21: FICT 3	0	0	1165	483
Beam 159	Beam2	21: FICT 3	0	0	1166	484
Beam 159	Beam2	21: FICT 3	0	0	1167	485
Beam 159	Beam2	21: FICT 3	0	0	1168	486
Beam 159	Beam2	21: FICT 3	0	0	1169	471
Beam 159	Beam2	21: FICT 3	0	0	1170	472
Beam 159	Beam2	21: FICT 3	0	0	1171	473
Beam 159	Beam2	21: FICT 3	0	0	1172	474
Beam 159	Beam2	21: FICT 3	0	0	1173	487
Beam 159	Beam2	21: FICT 3	0	0	1174	488
Beam 160	Beam2	21: FICT 3	0	0	1175	489
Beam 160	Beam2	21: FICT 3	0	0	1176	490
Beam 160	Beam2	21: FICT 3	0	0	1177	462
Beam 160	Beam2	21: FICT 3	0	0	1178	478
Beam 160	Beam2	21: FICT 3	0	0	1179	515
Beam 160	Beam2	21: FICT 3	0	0	1180	516
Beam 160	Beam2	21: FICT 3	0	0	1181	517
Beam 160	Beam2	21: FICT 3	0	0	1182	518
Beam 160	Beam2	21: FICT 3	0	0	1183	531
Beam 160	Beam2	21: FICT 3	0	0	1184	532
Beam 161	Beam2	21: FICT 3	0	0	1185	533
Beam 161	Beam2	21: FICT 3	0	0	1186	534
Beam 161	Beam2	21: FICT 3	0	0	1187	519
Beam 161	Beam2	21: FICT 3	0	0	1188	520
Beam 161	Beam2	21: FICT 3	0	0	1189	521
Beam 161	Beam2	21: FICT 3	0	0	1190	522
Beam 161	Beam2	21: FICT 3	0	0	1191	535
Beam 161	Beam2	21: FICT 3	0	0	1192	536
Beam 161	Beam2	21: FICT 3	0	0	1193	537
Beam 161	Beam2	21: FICT 3	0	0	1194	538
Beam 162	Beam2	21: FICT 3	0	0	1195	510
Beam 162	Beam2	21: FICT 3	0	0	1196	526
Beam 162	Beam2	21: FICT 3	0	0	1197	563
Beam 162	Beam2	21: FICT 3	0	0	1198	564
Beam 162	Beam2	21: FICT 3	0	0	1199	565
Beam 162	Beam2	21: FICT 3	0	0	1200	566
Beam 162	Beam2	21: FICT 3	0	0	1201	579

Beam 162	Beam2	21: FICT 3	0	0	1202	580
Beam 162	Beam2	21: FICT 3	0	0	1203	581
Beam 162	Beam2	21: FICT 3	0	0	1204	582
Beam 163	Beam2	21: FICT 3	0	0	1205	567
Beam 163	Beam2	21: FICT 3	0	0	1206	568
Beam 163	Beam2	21: FICT 3	0	0	1207	569
Beam 163	Beam2	21: FICT 3	0	0	1208	570
Beam 163	Beam2	21: FICT 3	0	0	1209	583
Beam 163	Beam2	21: FICT 3	0	0	1210	584
Beam 163	Beam2	21: FICT 3	0	0	1211	585
Beam 163	Beam2	21: FICT 3	0	0	1212	586
Beam 163	Beam2	21: FICT 3	0	0	1213	558
Beam 163	Beam2	21: FICT 3	0	0	1214	574
Beam 164	Beam2	21: FICT 3	0	0	1215	611
Beam 164	Beam2	21: FICT 3	0	0	1216	612
Beam 164	Beam2	21: FICT 3	0	0	1217	613
Beam 164	Beam2	21: FICT 3	0	0	1218	614
Beam 164	Beam2	21: FICT 3	0	0	1219	627
Beam 164	Beam2	21: FICT 3	0	0	1220	628
Beam 164	Beam2	21: FICT 3	0	0	1221	629
Beam 164	Beam2	21: FICT 3	0	0	1222	630
Beam 164	Beam2	21: FICT 3	0	0	1223	615
Beam 164	Beam2	21: FICT 3	0	0	1224	616
Beam 165	Beam2	21: FICT 3	0	0	1225	617
Beam 165	Beam2	21: FICT 3	0	0	1226	618
Beam 165	Beam2	21: FICT 3	0	0	1227	631
Beam 165	Beam2	21: FICT 3	0	0	1228	632
Beam 165	Beam2	21: FICT 3	0	0	1229	633
Beam 165	Beam2	21: FICT 3	0	0	1230	634
Beam 165	Beam2	21: FICT 3	0	0	1231	606
Beam 165	Beam2	21: FICT 3	0	0	1232	622
Beam 165	Beam2	21: FICT 3	0	0	1233	707
Beam 165	Beam2	21: FICT 3	0	0	1234	659
Beam 166	Beam2	21: FICT 3	0	0	1235	708
Beam 166	Beam2	21: FICT 3	0	0	1236	660
Beam 166	Beam2	21: FICT 3	0	0	1237	709
Beam 166	Beam2	21: FICT 3	0	0	1238	661
Beam 166	Beam2	21: FICT 3	0	0	1239	710
Beam 166	Beam2	21: FICT 3	0	0	1240	662
Beam 166	Beam2	21: FICT 3	0	0	1241	675
Beam 166	Beam2	21: FICT 3	0	0	1242	676
Beam 166	Beam2	21: FICT 3	0	0	1243	677
Beam 166	Beam2	21: FICT 3	0	0	1244	678
Beam 167	Beam2	21: FICT 3	0	0	1245	711
Beam 167	Beam2	21: FICT 3	0	0	1246	663
Beam 167	Beam2	21: FICT 3	0	0	1247	712
Beam 167	Beam2	21: FICT 3	0	0	1248	664
Beam 167	Beam2	21: FICT 3	0	0	1249	713
Beam 167	Beam2	21: FICT 3	0	0	1250	665
Beam 167	Beam2	21: FICT 3	0	0	1251	714

Beam 1677	Beam2	21: FICT 3	0	0	1252	666
Beam 1678	Beam2	21: FICT 3	0	0	1253	679
Beam 1679	Beam2	21: FICT 3	0	0	1254	680
Beam 1680	Beam2	21: FICT 3	0	0	1255	681
Beam 1681	Beam2	21: FICT 3	0	0	1256	682
Beam 1682	Beam2	21: FICT 3	0	0	1257	702
Beam 1683	Beam2	21: FICT 3	0	0	1258	654
Beam 1684	Beam2	21: FICT 3	0	0	1259	670
Beam 1685	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1260	1261
Beam 1686	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1261	1262
Beam 1687	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1262	21
Beam 1688	Beam2	4: FICT 1	0	0	1260	1263
Beam 1689	Beam2	4: FICT 1	0	0	1261	1264
Beam 1690	Beam2	4: FICT 1	0	0	1262	1265
Beam 1691	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1266	1267
Beam 1692	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1268	1269
Beam 1693	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1270	1271
Beam 1694	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1272	1273
Beam 1695	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1267	1274
Beam 1696	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1269	1275
Beam 1697	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1271	1276
Beam 1698	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1273	1277
Beam 1699	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1274	347
Beam 1700	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1275	348
Beam 1701	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1276	349
Beam 1702	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1277	350
Beam 1703	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1278	1279
Beam 1704	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1280	1281
Beam 1705	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1282	1283
Beam 1706	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1284	1285
Beam 1707	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1279	1286
Beam 1708	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1281	1287
Beam 1709	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1283	1288
Beam 1710	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1285	1289
Beam 1711	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1286	359
Beam 1712	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1287	360
Beam 1713	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1288	361
Beam 1714	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1289	362
Beam 1715	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1290	1291
Beam 1716	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1292	1293
Beam 1717	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1294	1295
Beam 1718	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1296	1297
Beam 1719	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1291	1298
Beam 1720	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1293	1299
Beam 1721	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1295	1300
Beam 1722	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1297	1301
Beam 1723	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1298	371
Beam 1724	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1299	372
Beam 1725	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1300	373
Beam 1726	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1301	374

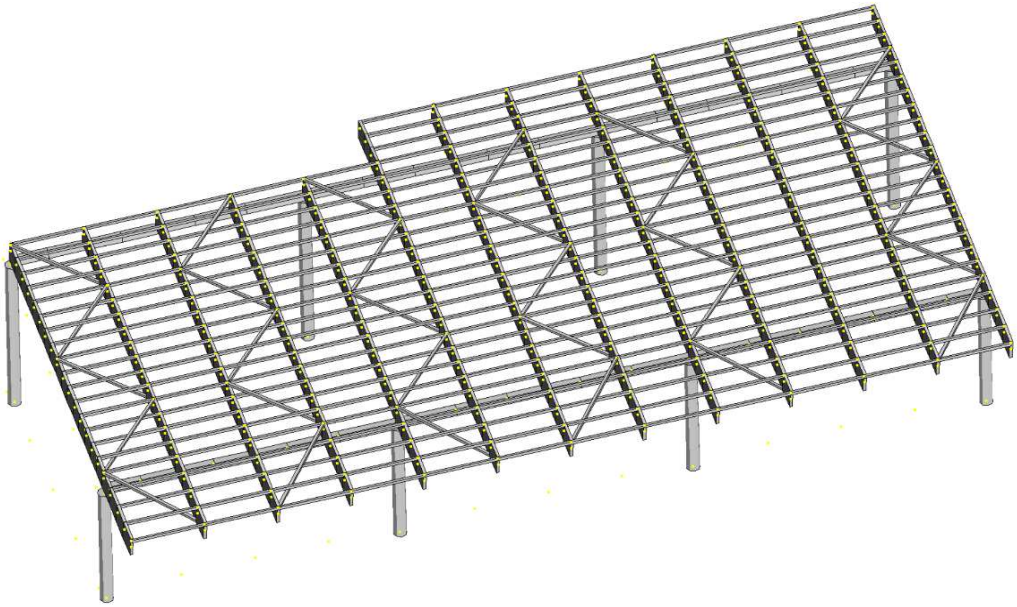
Beam 172	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1302	1303
Beam 172	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1304	1305
Beam 172	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1306	1307
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1308	1309
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1303	1310
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1305	1311
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1307	1312
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1309	1313
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1310	383
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1311	384
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1312	385
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	1313	386
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	1264	1314
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	1315	1316
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	1317	1318
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	1319	1320
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	1314	1321
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	1316	1322
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	1318	1323
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	1320	1324
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	1321	1325
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	1322	1326
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	1323	1327
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1324	1328
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1325	1315
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1326	1317
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1327	1319
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1328	1329
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1265	1330
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1331	1332
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1333	1334
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1335	1336
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	1330	1337
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	1332	1338
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	1334	1339
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	1336	1340
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	1337	1341
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	1338	1342
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	1339	1343
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	1340	1344
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	1341	1331
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	1342	1333
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	1343	1335
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1344	1345
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1263	1346
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1347	1348
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1349	1350
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1351	1352
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1346	1353
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1348	1354

Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1350	1355
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1352	1356
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	1353	1357
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	1354	1358
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	1355	1359
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	1356	1360
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	1357	1347
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	1358	1349
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	1359	1351
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	1360	1361
Beam 178	Beam2	4: FICT 1	0	0	1266	1346
Beam 178	Beam2	4: FICT 1	0	0	1268	1348
Beam 178	Beam2	4: FICT 1	0	0	1270	1350
Beam 179	Beam2	4: FICT 1	0	0	1272	1352
Beam 179	Beam2	4: FICT 1	0	0	1267	1314
Beam 179	Beam2	4: FICT 1	0	0	1269	1316
Beam 179	Beam2	4: FICT 1	0	0	1271	1318
Beam 179	Beam2	4: FICT 1	0	0	1273	1320
Beam 179	Beam2	4: FICT 1	0	0	1274	1330
Beam 179	Beam2	4: FICT 1	0	0	1275	1332
Beam 179	Beam2	4: FICT 1	0	0	1276	1334
Beam 179	Beam2	4: FICT 1	0	0	1277	1336
Beam 179	Beam2	4: FICT 1	0	0	1278	1353
Beam 180	Beam2	4: FICT 1	0	0	1280	1354
Beam 180	Beam2	4: FICT 1	0	0	1282	1355
Beam 180	Beam2	4: FICT 1	0	0	1284	1356
Beam 180	Beam2	4: FICT 1	0	0	1279	1321
Beam 180	Beam2	4: FICT 1	0	0	1281	1322
Beam 180	Beam2	4: FICT 1	0	0	1283	1323
Beam 180	Beam2	4: FICT 1	0	0	1285	1324
Beam 180	Beam2	4: FICT 1	0	0	1286	1337
Beam 180	Beam2	4: FICT 1	0	0	1287	1338
Beam 180	Beam2	4: FICT 1	0	0	1288	1339
Beam 181	Beam2	4: FICT 1	0	0	1289	1340
Beam 181	Beam2	4: FICT 1	0	0	1290	1357
Beam 181	Beam2	4: FICT 1	0	0	1292	1358
Beam 181	Beam2	4: FICT 1	0	0	1294	1359
Beam 181	Beam2	4: FICT 1	0	0	1296	1360
Beam 181	Beam2	4: FICT 1	0	0	1291	1325
Beam 181	Beam2	4: FICT 1	0	0	1293	1326
Beam 181	Beam2	4: FICT 1	0	0	1295	1327
Beam 181	Beam2	4: FICT 1	0	0	1297	1328
Beam 181	Beam2	4: FICT 1	0	0	1298	1341
Beam 182	Beam2	4: FICT 1	0	0	1299	1342
Beam 182	Beam2	4: FICT 1	0	0	1300	1343
Beam 182	Beam2	4: FICT 1	0	0	1301	1344
Beam 182	Beam2	4: FICT 1	0	0	1302	1347
Beam 182	Beam2	4: FICT 1	0	0	1304	1349
Beam 182	Beam2	4: FICT 1	0	0	1306	1351
Beam 182	Beam2	4: FICT 1	0	0	1308	1361

Beam 182	Beam2	4: FICT 1	0	0	1303	1315
Beam 182	Beam2	4: FICT 1	0	0	1305	1317
Beam 182	Beam2	4: FICT 1	0	0	1307	1319
Beam 183	Beam2	4: FICT 1	0	0	1309	1329
Beam 183	Beam2	4: FICT 1	0	0	1310	1331
Beam 183	Beam2	4: FICT 1	0	0	1311	1333
Beam 183	Beam2	4: FICT 1	0	0	1312	1335
Beam 183	Beam2	4: FICT 1	0	0	1313	1345
Beam 183	Beam2	21: FICT 3	0	0	1362	1264
Beam 183	Beam2	21: FICT 3	0	0	1363	1263
Beam 183	Beam2	21: FICT 3	0	0	1364	1346
Beam 183	Beam2	21: FICT 3	0	0	1365	1314
Beam 183	Beam2	21: FICT 3	0	0	1366	1315
Beam 184	Beam2	21: FICT 3	0	0	1367	1347
Beam 184	Beam2	21: FICT 3	0	0	1368	1348
Beam 184	Beam2	21: FICT 3	0	0	1369	1316
Beam 184	Beam2	21: FICT 3	0	0	1370	1317
Beam 184	Beam2	21: FICT 3	0	0	1371	1349
Beam 184	Beam2	21: FICT 3	0	0	1372	1350
Beam 184	Beam2	21: FICT 3	0	0	1373	1318
Beam 184	Beam2	21: FICT 3	0	0	1374	1319
Beam 184	Beam2	21: FICT 3	0	0	1375	1351
Beam 184	Beam2	21: FICT 3	0	0	1376	1352
Beam 185	Beam2	21: FICT 3	0	0	1377	1320
Beam 185	Beam2	21: FICT 3	0	0	1378	1265
Beam 185	Beam2	21: FICT 3	0	0	1379	1330
Beam 185	Beam2	21: FICT 3	0	0	1380	1331
Beam 185	Beam2	21: FICT 3	0	0	1381	1332
Beam 185	Beam2	21: FICT 3	0	0	1382	1333
Beam 185	Beam2	21: FICT 3	0	0	1383	1334
Beam 185	Beam2	21: FICT 3	0	0	1384	1335
Beam 185	Beam2	21: FICT 3	0	0	1385	1336
Beam 185	Beam2	21: FICT 3	0	0	1386	1353
Beam 186	Beam2	21: FICT 3	0	0	1387	1321
Beam 186	Beam2	21: FICT 3	0	0	1388	1354
Beam 186	Beam2	21: FICT 3	0	0	1389	1322
Beam 186	Beam2	21: FICT 3	0	0	1390	1355
Beam 186	Beam2	21: FICT 3	0	0	1391	1323
Beam 186	Beam2	21: FICT 3	0	0	1392	1356
Beam 186	Beam2	21: FICT 3	0	0	1393	1324
Beam 186	Beam2	21: FICT 3	0	0	1394	1337
Beam 186	Beam2	21: FICT 3	0	0	1395	1338
Beam 186	Beam2	21: FICT 3	0	0	1396	1339
Beam 187	Beam2	21: FICT 3	0	0	1397	1340
Beam 187	Beam2	21: FICT 3	0	0	1398	1357
Beam 187	Beam2	21: FICT 3	0	0	1399	1325
Beam 187	Beam2	21: FICT 3	0	0	1400	1358
Beam 187	Beam2	21: FICT 3	0	0	1401	1326
Beam 187	Beam2	21: FICT 3	0	0	1402	1359
Beam 187	Beam2	21: FICT 3	0	0	1403	1327

Beam 1877	Beam2	21: FICT 3	0	0	1404	1360
Beam 1878	Beam2	21: FICT 3	0	0	1405	1328
Beam 1879	Beam2	21: FICT 3	0	0	1406	1341
Beam 1880	Beam2	21: FICT 3	0	0	1407	1342
Beam 1881	Beam2	21: FICT 3	0	0	1408	1343
Beam 1882	Beam2	21: FICT 3	0	0	1409	1344
Beam 1883	Beam2	21: FICT 3	0	0	1410	1361
Beam 1884	Beam2	21: FICT 3	0	0	1411	1329
Beam 1885	Beam2	21: FICT 3	0	0	1412	1345
Beam 1886	Beam2	10: COLONNE - CA 100cm	0	0	2	48
Beam 1887	Beam2	10: COLONNE - CA 100cm	0	0	1	47
Beam 1888	Beam2	10: COLONNE - CA 100cm	0	0	53	759
Beam 1889	Beam2	10: COLONNE - CA 100cm	0	0	54	760
Beam 1890	Beam2	10: COLONNE - CA 100cm	0	0	55	761
Beam 1891	Beam2	10: COLONNE - CA 100cm	0	0	56	762
Beam 1892	Beam2	10: COLONNE - CA 100cm	0	0	836	751
Beam 1893	Beam2	10: COLONNE - CA 100cm	0	0	835	752
Beam 1894	Beam2	10: COLONNE - CA 100cm	0	0	57	753
Beam 1895	Beam2	10: COLONNE - CA 100cm	0	0	58	754
Beam 1896	Beam2	8: CONTROVENTI	0	0.000001	438	722
Beam 1897	Beam2	8: CONTROVENTI	0	0	418	438
Beam 1898	Beam2	8: CONTROVENTI	0	0.000001	454	418
Beam 1899	Beam2	8: CONTROVENTI	0	0	706	454
Beam 1900	Beam2	8: CONTROVENTI	0	0	406	722
Beam 1901	Beam2	8: CONTROVENTI	0	0.000001	437	721
Beam 1902	Beam2	8: CONTROVENTI	0	0	417	437
Beam 1903	Beam2	8: CONTROVENTI	0	0.000001	453	417
Beam 1904	Beam2	8: CONTROVENTI	0	0	705	453
Beam 1905	Beam2	8: CONTROVENTI	0	0	405	721
Beam 1906	Beam2	8: CONTROVENTI	0	0.000001	436	728
Beam 1907	Beam2	8: CONTROVENTI	0	0	424	436
Beam 1908	Beam2	8: CONTROVENTI	0	0.000001	452	424
Beam 1909	Beam2	8: CONTROVENTI	0	0	712	452
Beam 1910	Beam2	8: CONTROVENTI	0	0	404	728
Beam 1911	Beam2	8: CONTROVENTI	0	0	435	727
Beam 1912	Beam2	8: CONTROVENTI	0	0	423	435
Beam 1913	Beam2	8: CONTROVENTI	0	0.000001	451	423
Beam 1914	Beam2	8: CONTROVENTI	0	0	711	451
Beam 1915	Beam2	8: CONTROVENTI	0	0	403	727

CORPO LS3



Indice dei nodi di definizione

	X (m)	Y (m)	Z (m)
Node 1	202.60	80.00	-0.50
Node 2	182.60	80.00	-0.50
Node 3	202.60	60.00	-0.50
Node 4	182.60	60.00	-0.50
Node 5	197.60	78.75	10.63
Node 6	197.60	80.00	10.45
Node 7	192.60	78.75	10.63
Node 8	192.60	80.00	10.45
Node 9	187.60	78.75	10.63
Node 10	187.60	80.00	10.45
Node 11	202.60	78.75	10.63
Node 12	202.60	80.00	10.45
Node 13	182.60	78.75	10.63
Node 14	182.60	80.00	10.45
Node 15	197.60	84.50	9.80
Node 16	197.60	86.00	9.58
Node 17	192.60	84.50	9.80
Node 18	192.60	86.00	9.58
Node 19	187.60	84.50	9.80
Node 20	187.60	86.00	9.58
Node 21	202.60	84.50	9.80
Node 22	202.60	86.00	9.58
Node 23	182.60	84.50	9.80
Node 24	182.60	86.00	9.58
Node 25	197.60	68.75	12.08
Node 26	197.60	70.00	11.90
Node 27	192.60	68.75	12.08
Node 28	192.60	70.00	11.90
Node 29	187.60	68.75	12.08
Node 30	187.60	70.00	11.90
Node 31	202.60	68.75	12.08
Node 32	202.60	70.00	11.90
Node 33	182.60	68.75	12.08
Node 34	182.60	70.00	11.90
Node 35	197.60	73.75	11.36
Node 36	197.60	75.00	11.18
Node 37	192.60	73.75	11.36
Node 38	192.60	75.00	11.18
Node 39	187.60	73.75	11.36
Node 40	187.60	75.00	11.18
Node 41	202.60	73.75	11.36
Node 42	202.60	75.00	11.18
Node 43	182.60	73.75	11.36
Node 44	182.60	75.00	11.18

	X (m)	Y (m)	Z (m)
Node 519	162.60	71.25	11.72
Node 520	142.60	71.25	11.72
Node 521	162.60	72.50	11.54
Node 522	142.60	72.50	11.54
Node 523	177.60	60.00	13.35
Node 524	177.60	61.25	13.17
Node 525	157.60	60.00	13.35
Node 526	157.60	61.25	13.17
Node 527	177.60	62.50	12.99
Node 528	157.60	62.50	12.99
Node 529	172.60	60.00	13.35
Node 530	172.60	61.25	13.17
Node 531	152.60	60.00	13.35
Node 532	152.60	61.25	13.17
Node 533	172.60	62.50	12.99
Node 534	152.60	62.50	12.99
Node 535	167.60	60.00	13.35
Node 536	167.60	61.25	13.17
Node 537	147.60	60.00	13.35
Node 538	147.60	61.25	13.17
Node 539	167.60	62.50	12.99
Node 540	147.60	62.50	12.99
Node 541	162.60	60.00	13.35
Node 542	162.60	61.25	13.17
Node 543	142.60	60.00	13.35
Node 544	142.60	61.25	13.17
Node 545	162.60	62.50	12.99
Node 546	142.60	62.50	12.99
Node 547	177.60	86.00	10.13
Node 548	162.60	86.00	10.13
Node 549	157.60	86.00	10.13
Node 550	172.60	86.00	10.13
Node 551	152.60	86.00	10.13
Node 552	167.60	86.00	10.13
Node 553	147.60	86.00	10.13
Node 554	142.60	86.00	10.13
Node 555	177.60	70.00	12.45
Node 556	162.60	70.00	12.45
Node 557	157.60	70.00	12.45
Node 558	172.60	70.00	12.45
Node 559	152.60	70.00	12.45
Node 560	167.60	70.00	12.45
Node 561	147.60	70.00	12.45
Node 562	142.60	70.00	12.45

Node 45	197.60	63.75	12.81
Node 46	197.60	65.00	12.63
Node 47	192.60	63.75	12.81
Node 48	192.60	65.00	12.63
Node 49	187.60	63.75	12.81
Node 50	187.60	65.00	12.63
Node 51	202.60	63.75	12.81
Node 52	202.60	65.00	12.63
Node 53	182.60	63.75	12.81
Node 54	182.60	65.00	12.63
Node 55	197.60	76.25	10.99
Node 56	197.60	77.50	10.81
Node 57	192.60	76.25	10.99
Node 58	192.60	77.50	10.81
Node 59	187.60	76.25	10.99
Node 60	187.60	77.50	10.81
Node 61	202.60	76.25	10.99
Node 62	182.60	76.25	10.99
Node 63	202.60	77.50	10.81
Node 64	182.60	77.50	10.81
Node 65	197.60	81.50	10.23
Node 66	197.60	83.00	10.02
Node 67	192.60	81.50	10.23
Node 68	192.60	83.00	10.02
Node 69	187.60	81.50	10.23
Node 70	187.60	83.00	10.02
Node 71	202.60	81.50	10.23
Node 72	182.60	81.50	10.23
Node 73	202.60	83.00	10.02
Node 74	182.60	83.00	10.02
Node 75	197.60	66.25	12.44
Node 76	197.60	67.50	12.26
Node 77	192.60	66.25	12.44
Node 78	192.60	67.50	12.26
Node 79	187.60	66.25	12.44
Node 80	187.60	67.50	12.26
Node 81	202.60	66.25	12.44
Node 82	182.60	66.25	12.44
Node 83	202.60	67.50	12.26
Node 84	182.60	67.50	12.26
Node 85	197.60	71.25	11.72
Node 86	197.60	72.50	11.54
Node 87	192.60	71.25	11.72
Node 88	192.60	72.50	11.54
Node 89	187.60	71.25	11.72
Node 90	187.60	72.50	11.54
Node 91	202.60	71.25	11.72
Node 92	182.60	71.25	11.72
Node 93	202.60	72.50	11.54
Node 94	182.60	72.50	11.54

Node 563	177.60	75.00	11.73
Node 564	162.60	75.00	11.73
Node 565	157.60	75.00	11.73
Node 566	172.60	75.00	11.73
Node 567	152.60	75.00	11.73
Node 568	167.60	75.00	11.73
Node 569	147.60	75.00	11.73
Node 570	142.60	75.00	11.73
Node 571	177.60	65.00	13.18
Node 572	162.60	65.00	13.18
Node 573	157.60	65.00	13.18
Node 574	172.60	65.00	13.18
Node 575	152.60	65.00	13.18
Node 576	167.60	65.00	13.18
Node 577	147.60	65.00	13.18
Node 578	142.60	65.00	13.18
Node 579	177.60	76.25	11.54
Node 580	162.60	76.25	11.54
Node 581	157.60	76.25	11.54
Node 582	172.60	76.25	11.54
Node 583	152.60	76.25	11.54
Node 584	167.60	76.25	11.54
Node 585	147.60	76.25	11.54
Node 586	142.60	76.25	11.54
Node 587	177.60	77.50	11.36
Node 588	162.60	77.50	11.36
Node 589	157.60	77.50	11.36
Node 590	172.60	77.50	11.36
Node 591	152.60	77.50	11.36
Node 592	167.60	77.50	11.36
Node 593	147.60	77.50	11.36
Node 594	142.60	77.50	11.36
Node 595	177.60	78.75	11.18
Node 596	162.60	78.75	11.18
Node 597	157.60	78.75	11.18
Node 598	172.60	78.75	11.18
Node 599	152.60	78.75	11.18
Node 600	167.60	78.75	11.18
Node 601	147.60	78.75	11.18
Node 602	142.60	78.75	11.18
Node 603	177.60	81.50	10.78
Node 604	162.60	81.50	10.78
Node 605	157.60	81.50	10.78
Node 606	172.60	81.50	10.78
Node 607	152.60	81.50	10.78
Node 608	167.60	81.50	10.78
Node 609	147.60	81.50	10.78
Node 610	142.60	81.50	10.78
Node 611	177.60	83.00	10.57
Node 612	162.60	83.00	10.57

Node 95	197.60	60.00	13.35
Node 96	197.60	61.25	13.17
Node 97	197.60	62.50	12.99
Node 98	192.60	60.00	13.35
Node 99	192.60	61.25	13.17
Node 100	192.60	62.50	12.99
Node 101	187.60	60.00	13.35
Node 102	187.60	61.25	13.17
Node 103	187.60	62.50	12.99
Node 104	202.60	60.00	13.35
Node 105	202.60	61.25	13.17
Node 106	182.60	60.00	13.35
Node 107	182.60	61.25	13.17
Node 108	202.60	62.50	12.99
Node 109	182.60	62.50	12.99
Node 110	202.60	86.00	10.13
Node 111	197.60	86.00	10.13
Node 112	192.60	86.00	10.13
Node 113	187.60	86.00	10.13
Node 114	182.60	86.00	10.13
Node 115	202.60	70.00	12.45
Node 116	197.60	70.00	12.45
Node 117	192.60	70.00	12.45
Node 118	187.60	70.00	12.45
Node 119	182.60	70.00	12.45
Node 120	202.60	75.00	11.73
Node 121	197.60	75.00	11.73
Node 122	192.60	75.00	11.73
Node 123	187.60	75.00	11.73
Node 124	182.60	75.00	11.73
Node 125	202.60	65.00	13.18
Node 126	197.60	65.00	13.18
Node 127	192.60	65.00	13.18
Node 128	187.60	65.00	13.18
Node 129	182.60	65.00	13.18
Node 130	202.60	76.25	11.54
Node 131	197.60	76.25	11.54
Node 132	192.60	76.25	11.54
Node 133	187.60	76.25	11.54
Node 134	182.60	76.25	11.54
Node 135	202.60	77.50	11.36
Node 136	197.60	77.50	11.36
Node 137	192.60	77.50	11.36
Node 138	187.60	77.50	11.36
Node 139	182.60	77.50	11.36
Node 140	202.60	78.75	11.18
Node 141	197.60	78.75	11.18
Node 142	192.60	78.75	11.18
Node 143	187.60	78.75	11.18
Node 144	182.60	78.75	11.18

Node 613	157.60	83.00	10.57
Node 614	172.60	83.00	10.57
Node 615	152.60	83.00	10.57
Node 616	167.60	83.00	10.57
Node 617	147.60	83.00	10.57
Node 618	142.60	83.00	10.57
Node 619	177.60	84.50	10.35
Node 620	162.60	84.50	10.35
Node 621	157.60	84.50	10.35
Node 622	172.60	84.50	10.35
Node 623	152.60	84.50	10.35
Node 624	167.60	84.50	10.35
Node 625	147.60	84.50	10.35
Node 626	142.60	84.50	10.35
Node 627	177.60	66.25	12.99
Node 628	162.60	66.25	12.99
Node 629	157.60	66.25	12.99
Node 630	172.60	66.25	12.99
Node 631	152.60	66.25	12.99
Node 632	167.60	66.25	12.99
Node 633	147.60	66.25	12.99
Node 634	142.60	66.25	12.99
Node 635	177.60	67.50	12.81
Node 636	162.60	67.50	12.81
Node 637	157.60	67.50	12.81
Node 638	172.60	67.50	12.81
Node 639	152.60	67.50	12.81
Node 640	167.60	67.50	12.81
Node 641	147.60	67.50	12.81
Node 642	142.60	67.50	12.81
Node 643	177.60	68.75	12.63
Node 644	162.60	68.75	12.63
Node 645	157.60	68.75	12.63
Node 646	172.60	68.75	12.63
Node 647	152.60	68.75	12.63
Node 648	167.60	68.75	12.63
Node 649	147.60	68.75	12.63
Node 650	142.60	68.75	12.63
Node 651	177.60	71.25	12.27
Node 652	162.60	71.25	12.27
Node 653	157.60	71.25	12.27
Node 654	172.60	71.25	12.27
Node 655	152.60	71.25	12.27
Node 656	167.60	71.25	12.27
Node 657	147.60	71.25	12.27
Node 658	142.60	71.25	12.27
Node 659	177.60	72.50	12.09
Node 660	162.60	72.50	12.09
Node 661	157.60	72.50	12.09
Node 662	172.60	72.50	12.09

Node 145	202.60	81.50	10.78
Node 146	197.60	81.50	10.78
Node 147	192.60	81.50	10.78
Node 148	187.60	81.50	10.78
Node 149	182.60	81.50	10.78
Node 150	202.60	83.00	10.57
Node 151	197.60	83.00	10.57
Node 152	192.60	83.00	10.57
Node 153	187.60	83.00	10.57
Node 154	182.60	83.00	10.57
Node 155	202.60	84.50	10.35
Node 156	197.60	84.50	10.35
Node 157	192.60	84.50	10.35
Node 158	187.60	84.50	10.35
Node 159	182.60	84.50	10.35
Node 160	202.60	66.25	12.99
Node 161	197.60	66.25	12.99
Node 162	192.60	66.25	12.99
Node 163	187.60	66.25	12.99
Node 164	182.60	66.25	12.99
Node 165	202.60	67.50	12.81
Node 166	197.60	67.50	12.81
Node 167	192.60	67.50	12.81
Node 168	187.60	67.50	12.81
Node 169	182.60	67.50	12.81
Node 170	202.60	68.75	12.63
Node 171	197.60	68.75	12.63
Node 172	192.60	68.75	12.63
Node 173	187.60	68.75	12.63
Node 174	182.60	68.75	12.63
Node 175	202.60	71.25	12.27
Node 176	197.60	71.25	12.27
Node 177	192.60	71.25	12.27
Node 178	187.60	71.25	12.27
Node 179	182.60	71.25	12.27
Node 180	202.60	72.50	12.09
Node 181	197.60	72.50	12.09
Node 182	192.60	72.50	12.09
Node 183	187.60	72.50	12.09
Node 184	182.60	72.50	12.09
Node 185	202.60	73.75	11.91
Node 186	197.60	73.75	11.91
Node 187	192.60	73.75	11.91
Node 188	187.60	73.75	11.91
Node 189	182.60	73.75	11.91
Node 190	202.60	61.25	13.72
Node 191	197.60	61.25	13.72
Node 192	192.60	61.25	13.72
Node 193	187.60	61.25	13.72
Node 194	182.60	61.25	13.72

Node 663	152.60	72.50	12.09
Node 664	167.60	72.50	12.09
Node 665	147.60	72.50	12.09
Node 666	142.60	72.50	12.09
Node 667	177.60	73.75	11.91
Node 668	162.60	73.75	11.91
Node 669	157.60	73.75	11.91
Node 670	172.60	73.75	11.91
Node 671	152.60	73.75	11.91
Node 672	167.60	73.75	11.91
Node 673	147.60	73.75	11.91
Node 674	142.60	73.75	11.91
Node 675	177.60	61.25	13.72
Node 676	162.60	61.25	13.72
Node 677	157.60	61.25	13.72
Node 678	172.60	61.25	13.72
Node 679	152.60	61.25	13.72
Node 680	167.60	61.25	13.72
Node 681	147.60	61.25	13.72
Node 682	142.60	61.25	13.72
Node 683	177.60	62.50	13.54
Node 684	162.60	62.50	13.54
Node 685	157.60	62.50	13.54
Node 686	172.60	62.50	13.54
Node 687	152.60	62.50	13.54
Node 688	167.60	62.50	13.54
Node 689	147.60	62.50	13.54
Node 690	142.60	62.50	13.54
Node 691	177.60	63.75	13.36
Node 692	162.60	63.75	13.36
Node 693	157.60	63.75	13.36
Node 694	172.60	63.75	13.36
Node 695	152.60	63.75	13.36
Node 696	167.60	63.75	13.36
Node 697	147.60	63.75	13.36
Node 698	142.60	63.75	13.36
Node 699	177.60	60.00	13.90
Node 700	162.60	60.00	13.90
Node 701	157.60	60.00	13.90
Node 702	172.60	60.00	13.90
Node 703	152.60	60.00	13.90
Node 704	167.60	60.00	13.90
Node 705	147.60	60.00	13.90
Node 706	142.60	60.00	13.90
Node 707	177.60	80.00	11.00
Node 708	162.60	80.00	11.00
Node 709	157.60	80.00	11.00
Node 710	172.60	80.00	11.00
Node 711	152.60	80.00	11.00
Node 712	167.60	80.00	11.00

Node 195	202.60	62.50	13.54
Node 196	197.60	62.50	13.54
Node 197	192.60	62.50	13.54
Node 198	187.60	62.50	13.54
Node 199	182.60	62.50	13.54
Node 200	202.60	63.75	13.36
Node 201	197.60	63.75	13.36
Node 202	192.60	63.75	13.36
Node 203	187.60	63.75	13.36
Node 204	182.60	63.75	13.36
Node 205	202.60	60.00	13.90
Node 206	197.60	60.00	13.90
Node 207	192.60	60.00	13.90
Node 208	187.60	60.00	13.90
Node 209	182.60	60.00	13.90
Node 210	202.60	80.00	11.00
Node 211	197.60	80.00	11.00
Node 212	192.60	80.00	11.00
Node 213	187.60	80.00	11.00
Node 214	182.60	80.00	11.00
Node 215	200.10	60.00	12.40
Node 216	197.60	60.00	12.40
Node 217	200.10	80.00	9.50
Node 218	197.60	80.00	9.50
Node 219	202.60	60.00	12.40
Node 220	202.60	60.00	12.10
Node 221	182.60	60.00	12.40
Node 222	182.60	60.00	12.10
Node 223	202.60	80.00	9.50
Node 224	202.60	80.00	9.20
Node 225	182.60	80.00	9.50
Node 226	182.60	80.00	9.20
Node 227	202.60	60.00	12.70
Node 228	182.60	60.00	12.70
Node 229	202.60	80.00	9.80
Node 230	182.60	80.00	9.80
Node 231	197.60	80.00	9.80
Node 232	192.60	80.00	9.80
Node 233	187.60	80.00	9.80
Node 234	197.60	60.00	12.70
Node 235	192.60	60.00	12.70
Node 236	187.60	60.00	12.70
Node 237	187.60	60.00	12.40
Node 238	192.60	60.00	12.40
Node 239	187.60	80.00	9.50
Node 240	192.60	80.00	9.50
Node 241	186.60	60.00	12.40
Node 242	190.10	60.00	12.40
Node 243	195.10	60.00	12.40
Node 244	186.60	80.00	9.50

Node 713	147.60	80.00	11.00
Node 714	142.60	80.00	11.00
Node 715	178.60	60.00	12.40
Node 716	177.60	60.00	12.40
Node 717	158.60	60.00	12.40
Node 718	157.60	60.00	12.40
Node 719	178.60	80.00	9.50
Node 720	177.60	80.00	9.50
Node 721	158.60	80.00	9.50
Node 722	157.60	80.00	9.50
Node 723	162.60	60.00	12.40
Node 724	162.60	60.00	12.10
Node 725	142.60	60.00	12.40
Node 726	142.60	60.00	12.10
Node 727	162.60	80.00	9.50
Node 728	162.60	80.00	9.20
Node 729	142.60	80.00	9.50
Node 730	142.60	80.00	9.20
Node 731	162.60	60.00	12.70
Node 732	142.60	60.00	12.70
Node 733	162.60	80.00	9.80
Node 734	142.60	80.00	9.80
Node 735	177.60	80.00	9.80
Node 736	157.60	80.00	9.80
Node 737	172.60	80.00	9.80
Node 738	152.60	80.00	9.80
Node 739	167.60	80.00	9.80
Node 740	147.60	80.00	9.80
Node 741	177.60	60.00	12.70
Node 742	157.60	60.00	12.70
Node 743	172.60	60.00	12.70
Node 744	152.60	60.00	12.70
Node 745	167.60	60.00	12.70
Node 746	147.60	60.00	12.70
Node 747	167.60	60.00	12.40
Node 748	147.60	60.00	12.40
Node 749	172.60	60.00	12.40
Node 750	152.60	60.00	12.40
Node 751	167.60	80.00	9.50
Node 752	147.60	80.00	9.50
Node 753	172.60	80.00	9.50
Node 754	152.60	80.00	9.50
Node 755	166.60	60.00	12.40
Node 756	145.10	60.00	12.40
Node 757	170.10	60.00	12.40
Node 758	150.10	60.00	12.40
Node 759	175.10	60.00	12.40
Node 760	155.10	60.00	12.40
Node 761	166.60	80.00	9.50
Node 762	145.10	80.00	9.50

Node 245	190.10	80.00	9.50
Node 246	195.10	80.00	9.50
Node 247	203.10	80.00	0.60
Node 248	203.10	80.00	9.80
Node 249	203.10	75.00	0.60
Node 250	203.10	75.00	10.63
Node 251	203.10	70.00	0.60
Node 252	203.10	70.00	11.35
Node 253	203.10	65.00	0.60
Node 254	203.10	65.00	12.08
Node 255	203.10	60.00	0.60
Node 256	203.10	60.00	12.70
Node 257	202.60	80.50	0.60
Node 258	202.60	80.50	9.50
Node 259	197.60	80.50	0.60
Node 260	197.60	80.50	9.50
Node 261	192.60	80.50	0.60
Node 262	192.60	80.50	9.50
Node 263	187.60	80.50	0.60
Node 264	187.60	80.50	9.50
Node 265	182.60	80.50	0.60
Node 266	182.60	80.50	9.50
Node 267	202.60	75.00	10.63
Node 268	202.60	70.00	11.35
Node 269	202.60	65.00	12.08
Node 270	202.60	80.00	11.01
Node 271	202.60	78.75	11.19
Node 272	197.60	78.75	11.19
Node 273	197.60	80.00	11.01
Node 274	202.60	86.00	10.14
Node 275	202.60	84.50	10.36
Node 276	197.60	84.50	10.36
Node 277	197.60	86.00	10.14
Node 278	202.60	70.00	12.46
Node 279	202.60	68.75	12.64
Node 280	197.60	68.75	12.64
Node 281	197.60	70.00	12.46
Node 282	202.60	75.00	11.74
Node 283	202.60	73.75	11.92
Node 284	197.60	73.75	11.92
Node 285	197.60	75.00	11.74
Node 286	202.60	65.00	13.19
Node 287	202.60	63.75	13.37
Node 288	197.60	63.75	13.37
Node 289	197.60	65.00	13.19
Node 290	192.60	78.75	11.19
Node 291	192.60	80.00	11.01
Node 292	187.60	78.75	11.19
Node 293	187.60	80.00	11.01
Node 294	182.60	78.75	11.19

Node 763	170.10	80.00	9.50
Node 764	150.10	80.00	9.50
Node 765	175.10	80.00	9.50
Node 766	155.10	80.00	9.50
Node 767	177.60	80.50	0.60
Node 768	177.60	80.50	9.50
Node 769	157.60	80.50	0.60
Node 770	157.60	80.50	9.50
Node 771	172.60	80.50	0.60
Node 772	172.60	80.50	9.50
Node 773	152.60	80.50	0.60
Node 774	152.60	80.50	9.50
Node 775	167.60	80.50	0.60
Node 776	167.60	80.50	9.50
Node 777	147.60	80.50	0.60
Node 778	147.60	80.50	9.50
Node 779	162.60	80.50	0.60
Node 780	162.60	80.50	9.50
Node 781	142.60	80.50	0.60
Node 782	142.60	80.50	9.50
Node 783	177.60	78.75	11.19
Node 784	157.60	78.75	11.19
Node 785	177.60	80.00	11.01
Node 786	157.60	80.00	11.01
Node 787	177.60	84.50	10.36
Node 788	157.60	84.50	10.36
Node 789	177.60	86.00	10.14
Node 790	157.60	86.00	10.14
Node 791	177.60	68.75	12.64
Node 792	157.60	68.75	12.64
Node 793	177.60	70.00	12.46
Node 794	157.60	70.00	12.46
Node 795	177.60	73.75	11.92
Node 796	157.60	73.75	11.92
Node 797	177.60	75.00	11.74
Node 798	157.60	75.00	11.74
Node 799	177.60	63.75	13.37
Node 800	157.60	63.75	13.37
Node 801	177.60	65.00	13.19
Node 802	157.60	65.00	13.19
Node 803	172.60	78.75	11.19
Node 804	152.60	78.75	11.19
Node 805	172.60	80.00	11.01
Node 806	152.60	80.00	11.01
Node 807	167.60	78.75	11.19
Node 808	147.60	78.75	11.19
Node 809	167.60	80.00	11.01
Node 810	147.60	80.00	11.01
Node 811	162.60	78.75	11.19
Node 812	142.60	78.75	11.19

Node 295	182.60	80.00	11.01
Node 296	192.60	84.50	10.36
Node 297	192.60	86.00	10.14
Node 298	187.60	84.50	10.36
Node 299	187.60	86.00	10.14
Node 300	182.60	84.50	10.36
Node 301	182.60	86.00	10.14
Node 302	192.60	68.75	12.64
Node 303	192.60	70.00	12.46
Node 304	187.60	68.75	12.64
Node 305	187.60	70.00	12.46
Node 306	182.60	68.75	12.64
Node 307	182.60	70.00	12.46
Node 308	192.60	73.75	11.92
Node 309	192.60	75.00	11.74
Node 310	187.60	73.75	11.92
Node 311	187.60	75.00	11.74
Node 312	182.60	73.75	11.92
Node 313	182.60	75.00	11.74
Node 314	192.60	63.75	13.37
Node 315	192.60	65.00	13.19
Node 316	187.60	63.75	13.37
Node 317	187.60	65.00	13.19
Node 318	182.60	63.75	13.37
Node 319	182.60	65.00	13.19
Node 320	202.60	76.25	11.55
Node 321	197.60	76.25	11.55
Node 322	202.60	77.50	11.37
Node 323	197.60	77.50	11.37
Node 324	202.60	81.50	10.79
Node 325	197.60	81.50	10.79
Node 326	202.60	83.00	10.58
Node 327	197.60	83.00	10.58
Node 328	202.60	66.25	13.00
Node 329	197.60	66.25	13.00
Node 330	202.60	67.50	12.82
Node 331	197.60	67.50	12.82
Node 332	202.60	71.25	12.28
Node 333	197.60	71.25	12.28
Node 334	202.60	72.50	12.10
Node 335	197.60	72.50	12.10
Node 336	202.60	61.25	13.73
Node 337	202.60	60.00	13.91
Node 338	197.60	60.00	13.91
Node 339	197.60	61.25	13.73
Node 340	202.60	62.50	13.55
Node 341	197.60	62.50	13.55
Node 342	192.60	76.25	11.55
Node 343	192.60	77.50	11.37
Node 344	187.60	76.25	11.55

Node 813	162.60	80.00	11.01
Node 814	142.60	80.00	11.01
Node 815	172.60	84.50	10.36
Node 816	152.60	84.50	10.36
Node 817	172.60	86.00	10.14
Node 818	152.60	86.00	10.14
Node 819	167.60	84.50	10.36
Node 820	147.60	84.50	10.36
Node 821	167.60	86.00	10.14
Node 822	147.60	86.00	10.14
Node 823	162.60	84.50	10.36
Node 824	142.60	84.50	10.36
Node 825	162.60	86.00	10.14
Node 826	142.60	86.00	10.14
Node 827	172.60	68.75	12.64
Node 828	152.60	68.75	12.64
Node 829	172.60	70.00	12.46
Node 830	152.60	70.00	12.46
Node 831	167.60	68.75	12.64
Node 832	147.60	68.75	12.64
Node 833	167.60	70.00	12.46
Node 834	147.60	70.00	12.46
Node 835	162.60	68.75	12.64
Node 836	142.60	68.75	12.64
Node 837	162.60	70.00	12.46
Node 838	142.60	70.00	12.46
Node 839	172.60	73.75	11.92
Node 840	152.60	73.75	11.92
Node 841	172.60	75.00	11.74
Node 842	152.60	75.00	11.74
Node 843	167.60	73.75	11.92
Node 844	147.60	73.75	11.92
Node 845	167.60	75.00	11.74
Node 846	147.60	75.00	11.74
Node 847	162.60	73.75	11.92
Node 848	142.60	73.75	11.92
Node 849	162.60	75.00	11.74
Node 850	142.60	75.00	11.74
Node 851	172.60	63.75	13.37
Node 852	152.60	63.75	13.37
Node 853	172.60	65.00	13.19
Node 854	152.60	65.00	13.19
Node 855	167.60	63.75	13.37
Node 856	147.60	63.75	13.37
Node 857	167.60	65.00	13.19
Node 858	147.60	65.00	13.19
Node 859	162.60	63.75	13.37
Node 860	142.60	63.75	13.37
Node 861	162.60	65.00	13.19
Node 862	142.60	65.00	13.19

Node 345	187.60	77.50	11.37
Node 346	182.60	76.25	11.55
Node 347	182.60	77.50	11.37
Node 348	192.60	81.50	10.79
Node 349	192.60	83.00	10.58
Node 350	187.60	81.50	10.79
Node 351	187.60	83.00	10.58
Node 352	182.60	81.50	10.79
Node 353	182.60	83.00	10.58
Node 354	192.60	66.25	13.00
Node 355	192.60	67.50	12.82
Node 356	187.60	66.25	13.00
Node 357	187.60	67.50	12.82
Node 358	182.60	66.25	13.00
Node 359	182.60	67.50	12.82
Node 360	192.60	71.25	12.28
Node 361	192.60	72.50	12.10
Node 362	187.60	71.25	12.28
Node 363	187.60	72.50	12.10
Node 364	182.60	71.25	12.28
Node 365	182.60	72.50	12.10
Node 366	192.60	60.00	13.91
Node 367	192.60	61.25	13.73
Node 368	192.60	62.50	13.55
Node 369	187.60	60.00	13.91
Node 370	187.60	61.25	13.73
Node 371	187.60	62.50	13.55
Node 372	182.60	60.00	13.91
Node 373	182.60	61.25	13.73
Node 374	182.60	62.50	13.55
Node 375	162.60	80.00	-0.50
Node 376	142.60	80.00	-0.50
Node 377	162.60	60.00	-0.50
Node 378	142.60	60.00	-0.50
Node 379	177.60	78.75	10.63
Node 380	177.60	80.00	10.45
Node 381	157.60	78.75	10.63
Node 382	157.60	80.00	10.45
Node 383	172.60	78.75	10.63
Node 384	172.60	80.00	10.45
Node 385	152.60	78.75	10.63
Node 386	152.60	80.00	10.45
Node 387	167.60	78.75	10.63
Node 388	167.60	80.00	10.45
Node 389	147.60	78.75	10.63
Node 390	147.60	80.00	10.45
Node 391	162.60	78.75	10.63
Node 392	162.60	80.00	10.45
Node 393	142.60	78.75	10.63
Node 394	142.60	80.00	10.45

Node 863	177.60	76.25	11.55
Node 864	157.60	76.25	11.55
Node 865	177.60	77.50	11.37
Node 866	157.60	77.50	11.37
Node 867	177.60	81.50	10.79
Node 868	157.60	81.50	10.79
Node 869	177.60	83.00	10.58
Node 870	157.60	83.00	10.58
Node 871	177.60	66.25	13.00
Node 872	157.60	66.25	13.00
Node 873	177.60	67.50	12.82
Node 874	157.60	67.50	12.82
Node 875	177.60	71.25	12.28
Node 876	157.60	71.25	12.28
Node 877	177.60	72.50	12.10
Node 878	157.60	72.50	12.10
Node 879	177.60	60.00	13.91
Node 880	157.60	60.00	13.91
Node 881	177.60	61.25	13.73
Node 882	157.60	61.25	13.73
Node 883	177.60	62.50	13.55
Node 884	157.60	62.50	13.55
Node 885	172.60	76.25	11.55
Node 886	152.60	76.25	11.55
Node 887	172.60	77.50	11.37
Node 888	152.60	77.50	11.37
Node 889	167.60	76.25	11.55
Node 890	147.60	76.25	11.55
Node 891	167.60	77.50	11.37
Node 892	147.60	77.50	11.37
Node 893	162.60	76.25	11.55
Node 894	142.60	76.25	11.55
Node 895	162.60	77.50	11.37
Node 896	142.60	77.50	11.37
Node 897	172.60	81.50	10.79
Node 898	152.60	81.50	10.79
Node 899	172.60	83.00	10.58
Node 900	152.60	83.00	10.58
Node 901	167.60	81.50	10.79
Node 902	147.60	81.50	10.79
Node 903	167.60	83.00	10.58
Node 904	147.60	83.00	10.58
Node 905	162.60	81.50	10.79
Node 906	142.60	81.50	10.79
Node 907	162.60	83.00	10.58
Node 908	142.60	83.00	10.58
Node 909	172.60	66.25	13.00
Node 910	152.60	66.25	13.00
Node 911	172.60	67.50	12.82
Node 912	152.60	67.50	12.82

Node 395	177.60	84.50	9.80
Node 396	177.60	86.00	9.58
Node 397	157.60	84.50	9.80
Node 398	157.60	86.00	9.58
Node 399	172.60	84.50	9.80
Node 400	172.60	86.00	9.58
Node 401	152.60	84.50	9.80
Node 402	152.60	86.00	9.58
Node 403	167.60	84.50	9.80
Node 404	167.60	86.00	9.58
Node 405	147.60	84.50	9.80
Node 406	147.60	86.00	9.58
Node 407	162.60	84.50	9.80
Node 408	162.60	86.00	9.58
Node 409	142.60	84.50	9.80
Node 410	142.60	86.00	9.58
Node 411	177.60	68.75	12.08
Node 412	177.60	70.00	11.90
Node 413	157.60	68.75	12.08
Node 414	157.60	70.00	11.90
Node 415	172.60	68.75	12.08
Node 416	172.60	70.00	11.90
Node 417	152.60	68.75	12.08
Node 418	152.60	70.00	11.90
Node 419	167.60	68.75	12.08
Node 420	167.60	70.00	11.90
Node 421	147.60	68.75	12.08
Node 422	147.60	70.00	11.90
Node 423	162.60	68.75	12.08
Node 424	162.60	70.00	11.90
Node 425	142.60	68.75	12.08
Node 426	142.60	70.00	11.90
Node 427	177.60	73.75	11.36
Node 428	177.60	75.00	11.18
Node 429	157.60	73.75	11.36
Node 430	157.60	75.00	11.18
Node 431	172.60	73.75	11.36
Node 432	172.60	75.00	11.18
Node 433	152.60	73.75	11.36
Node 434	152.60	75.00	11.18
Node 435	167.60	73.75	11.36
Node 436	167.60	75.00	11.18
Node 437	147.60	73.75	11.36
Node 438	147.60	75.00	11.18
Node 439	162.60	73.75	11.36
Node 440	162.60	75.00	11.18
Node 441	142.60	73.75	11.36
Node 442	142.60	75.00	11.18
Node 443	177.60	63.75	12.81
Node 444	177.60	65.00	12.63

Node 913	167.60	66.25	13.00
Node 914	147.60	66.25	13.00
Node 915	167.60	67.50	12.82
Node 916	147.60	67.50	12.82
Node 917	162.60	66.25	13.00
Node 918	142.60	66.25	13.00
Node 919	162.60	67.50	12.82
Node 920	142.60	67.50	12.82
Node 921	172.60	71.25	12.28
Node 922	152.60	71.25	12.28
Node 923	172.60	72.50	12.10
Node 924	152.60	72.50	12.10
Node 925	167.60	71.25	12.28
Node 926	147.60	71.25	12.28
Node 927	167.60	72.50	12.10
Node 928	147.60	72.50	12.10
Node 929	162.60	71.25	12.28
Node 930	142.60	71.25	12.28
Node 931	162.60	72.50	12.10
Node 932	142.60	72.50	12.10
Node 933	172.60	60.00	13.91
Node 934	152.60	60.00	13.91
Node 935	172.60	61.25	13.73
Node 936	152.60	61.25	13.73
Node 937	172.60	62.50	13.55
Node 938	152.60	62.50	13.55
Node 939	167.60	60.00	13.91
Node 940	147.60	60.00	13.91
Node 941	167.60	61.25	13.73
Node 942	147.60	61.25	13.73
Node 943	167.60	62.50	13.55
Node 944	147.60	62.50	13.55
Node 945	162.60	60.00	13.91
Node 946	142.60	60.00	13.91
Node 947	162.60	61.25	13.73
Node 948	142.60	61.25	13.73
Node 949	162.60	62.50	13.55
Node 950	142.60	62.50	13.55
Node 951	177.60	58.75	6.80
Node 952	177.60	58.75	12.20
Node 953	157.60	58.75	6.80
Node 954	157.60	58.75	12.20
Node 955	172.60	58.75	6.80
Node 956	172.60	58.75	12.20
Node 957	152.60	58.75	6.80
Node 958	152.60	58.75	12.20
Node 959	167.60	58.75	6.80
Node 960	167.60	58.75	12.20
Node 961	147.60	58.75	6.80
Node 962	147.60	58.75	12.20

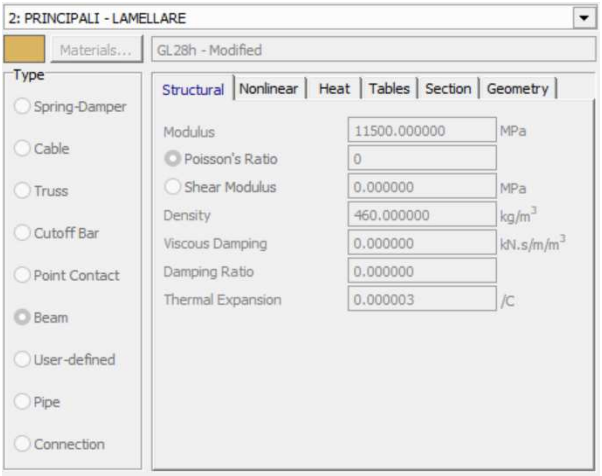
Node 445	157.60	63.75	12.81
Node 446	157.60	65.00	12.63
Node 447	172.60	63.75	12.81
Node 448	172.60	65.00	12.63
Node 449	152.60	63.75	12.81
Node 450	152.60	65.00	12.63
Node 451	167.60	63.75	12.81
Node 452	167.60	65.00	12.63
Node 453	147.60	63.75	12.81
Node 454	147.60	65.00	12.63
Node 455	162.60	63.75	12.81
Node 456	162.60	65.00	12.63
Node 457	142.60	63.75	12.81
Node 458	142.60	65.00	12.63
Node 459	177.60	76.25	10.99
Node 460	157.60	76.25	10.99
Node 461	177.60	77.50	10.81
Node 462	157.60	77.50	10.81
Node 463	172.60	76.25	10.99
Node 464	152.60	76.25	10.99
Node 465	172.60	77.50	10.81
Node 466	152.60	77.50	10.81
Node 467	167.60	76.25	10.99
Node 468	147.60	76.25	10.99
Node 469	167.60	77.50	10.81
Node 470	147.60	77.50	10.81
Node 471	162.60	76.25	10.99
Node 472	142.60	76.25	10.99
Node 473	162.60	77.50	10.81
Node 474	142.60	77.50	10.81
Node 475	177.60	81.50	10.23
Node 476	157.60	81.50	10.23
Node 477	177.60	83.00	10.02
Node 478	157.60	83.00	10.02
Node 479	172.60	81.50	10.23
Node 480	152.60	81.50	10.23
Node 481	172.60	83.00	10.02
Node 482	152.60	83.00	10.02
Node 483	167.60	81.50	10.23
Node 484	147.60	81.50	10.23
Node 485	167.60	83.00	10.02
Node 486	147.60	83.00	10.02
Node 487	162.60	81.50	10.23
Node 488	142.60	81.50	10.23
Node 489	162.60	83.00	10.02
Node 490	142.60	83.00	10.02
Node 491	177.60	66.25	12.44
Node 492	157.60	66.25	12.44
Node 493	177.60	67.50	12.26
Node 494	157.60	67.50	12.26

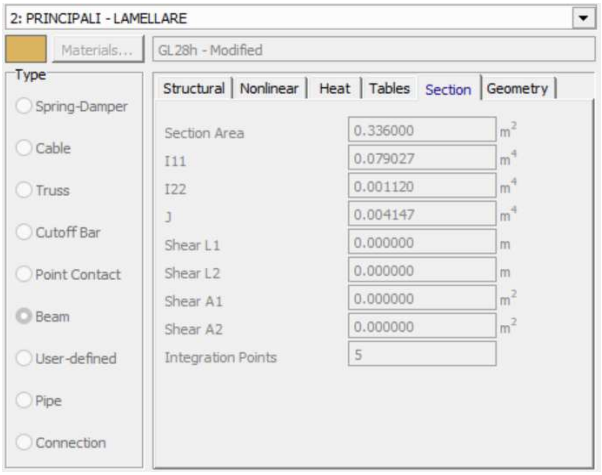
Node 963	162.60	58.75	6.80
Node 964	162.60	58.75	12.20
Node 965	142.60	58.75	6.80
Node 966	142.60	58.75	12.20
Node 967	177.60	56.25	13.65
Node 968	177.60	57.50	13.55
Node 969	157.60	56.25	13.65
Node 970	157.60	57.50	13.55
Node 971	177.60	58.75	13.45
Node 972	157.60	58.75	13.45
Node 973	172.60	56.25	13.65
Node 974	172.60	57.50	13.55
Node 975	152.60	56.25	13.65
Node 976	152.60	57.50	13.55
Node 977	172.60	58.75	13.45
Node 978	152.60	58.75	13.45
Node 979	167.60	56.25	13.65
Node 980	167.60	57.50	13.55
Node 981	147.60	56.25	13.65
Node 982	147.60	57.50	13.55
Node 983	167.60	58.75	13.45
Node 984	147.60	58.75	13.45
Node 985	162.60	56.25	13.65
Node 986	162.60	57.50	13.55
Node 987	142.60	56.25	13.65
Node 988	142.60	57.50	13.55
Node 989	162.60	58.75	13.45
Node 990	142.60	58.75	13.45
Node 991	177.60	57.50	14.10
Node 992	162.60	57.50	14.10
Node 993	157.60	57.50	14.10
Node 994	172.60	57.50	14.10
Node 995	152.60	57.50	14.10
Node 996	167.60	57.50	14.10
Node 997	147.60	57.50	14.10
Node 998	142.60	57.50	14.10
Node 999	177.60	58.75	14.00
Node 1000	162.60	58.75	14.00
Node 1001	157.60	58.75	14.00
Node 1002	172.60	58.75	14.00
Node 1003	152.60	58.75	14.00
Node 1004	167.60	58.75	14.00
Node 1005	147.60	58.75	14.00
Node 1006	142.60	58.75	14.00
Node 1007	177.60	56.25	14.20
Node 1008	162.60	56.25	14.20
Node 1009	157.60	56.25	14.20
Node 1010	172.60	56.25	14.20
Node 1011	152.60	56.25	14.20
Node 1012	167.60	56.25	14.20

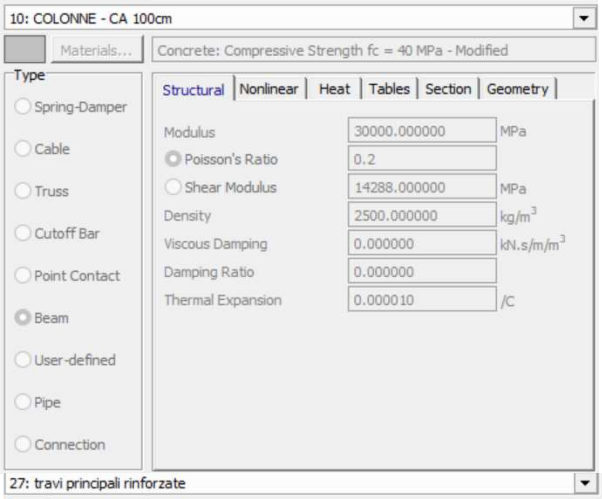
Node 495	172.60	66.25	12.44
Node 496	152.60	66.25	12.44
Node 497	172.60	67.50	12.26
Node 498	152.60	67.50	12.26
Node 499	167.60	66.25	12.44
Node 500	147.60	66.25	12.44
Node 501	167.60	67.50	12.26
Node 502	147.60	67.50	12.26
Node 503	162.60	66.25	12.44
Node 504	142.60	66.25	12.44
Node 505	162.60	67.50	12.26
Node 506	142.60	67.50	12.26
Node 507	177.60	71.25	11.72
Node 508	157.60	71.25	11.72
Node 509	177.60	72.50	11.54
Node 510	157.60	72.50	11.54
Node 511	172.60	71.25	11.72
Node 512	152.60	71.25	11.72
Node 513	172.60	72.50	11.54
Node 514	152.60	72.50	11.54
Node 515	167.60	71.25	11.72
Node 516	147.60	71.25	11.72
Node 517	167.60	72.50	11.54
Node 518	147.60	72.50	11.54

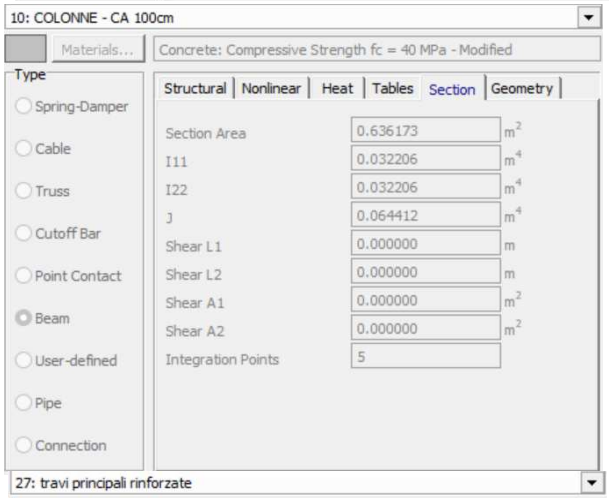
Node 1013	147.60	56.25	14.20
Node 1014	142.60	56.25	14.20
Node 1015	177.60	57.50	14.11
Node 1016	162.60	57.50	14.11
Node 1017	157.60	57.50	14.11
Node 1018	177.60	58.75	14.01
Node 1019	162.60	58.75	14.01
Node 1020	157.60	58.75	14.01
Node 1021	172.60	57.50	14.11
Node 1022	152.60	57.50	14.11
Node 1023	172.60	58.75	14.01
Node 1024	152.60	58.75	14.01
Node 1025	167.60	57.50	14.11
Node 1026	147.60	57.50	14.11
Node 1027	167.60	58.75	14.01
Node 1028	147.60	58.75	14.01
Node 1029	142.60	57.50	14.11
Node 1030	142.60	58.75	14.01
Node 1031	177.60	56.25	14.21
Node 1032	162.60	56.25	14.21
Node 1033	157.60	56.25	14.21
Node 1034	172.60	56.25	14.21
Node 1035	152.60	56.25	14.21
Node 1036	167.60	56.25	14.21
Node 1037	147.60	56.25	14.21
Node 1038	142.60	56.25	14.21

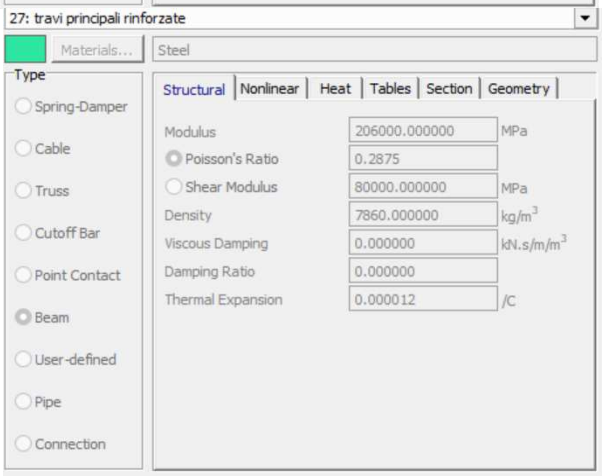
Proprietà delle sezioni utilizzate

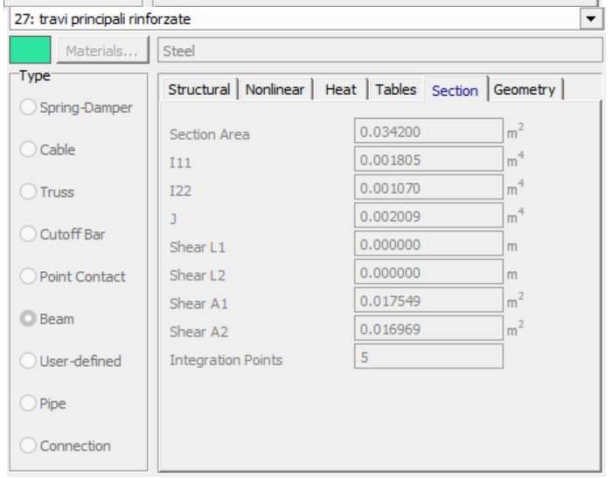












3: PRINCIPALI - ACCIAIO

Materials... | Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	206000.000000	MPa
Poisson's Ratio	0.2875	
Shear Modulus	80000.000000	MPa
Density	7860.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000012	/C

3: PRINCIPALI - ACCIAIO

Materials... | Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.026700	m^2
I11	0.001410	m^4
I22	0.000861	m^4
J	0.001606	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.013246	m^2
Shear A2	0.013651	m^2
Integration Points	5	

5: ARCARECCI - LAMELLARE

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

5: ARCARECCI - LAMELLARE

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032000	m^2
I11	0.000107	m^4
I22	0.000068	m^4
J	0.000145	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.000000	m^2
Shear A2	0.000000	m^2
Integration Points	5	

8: CONTROVENTI

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Include Torsional Stiffness		
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	$kN.s/m/m^3$
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

8: CONTROVENTI

Materials... | GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032400	m^2
J	0.000148	m^4
Integration Points	5	

Definizione delle aste

	Type	Property	ID	Angle	N1	N2
				(deg)		
Beam 1	Beam2	2: PRINCIPALI - LAMELLARE	0	90	6	5
Beam 2	Beam2	2: PRINCIPALI - LAMELLARE	0	90	8	7
Beam 3	Beam2	2: PRINCIPALI - LAMELLARE	0	90	10	9
Beam 4	Beam2	2: PRINCIPALI - LAMELLARE	0	90	12	11
Beam 5	Beam2	2: PRINCIPALI - LAMELLARE	0	90	14	13
Beam 6	Beam2	2: PRINCIPALI - LAMELLARE	0	90	16	15
Beam 7	Beam2	2: PRINCIPALI - LAMELLARE	0	90	18	17
Beam 8	Beam2	2: PRINCIPALI - LAMELLARE	0	90	20	19
Beam 9	Beam2	2: PRINCIPALI - LAMELLARE	0	90	22	21
Beam 10	Beam2	2: PRINCIPALI - LAMELLARE	0	90	24	23
Beam 11	Beam2	2: PRINCIPALI - LAMELLARE	0	90	26	25
Beam 12	Beam2	2: PRINCIPALI - LAMELLARE	0	90	28	27
Beam 13	Beam2	2: PRINCIPALI - LAMELLARE	0	90	30	29
Beam 14	Beam2	2: PRINCIPALI - LAMELLARE	0	90	32	31
Beam 15	Beam2	2: PRINCIPALI - LAMELLARE	0	90	34	33
Beam 16	Beam2	2: PRINCIPALI - LAMELLARE	0	90	36	35
Beam 17	Beam2	2: PRINCIPALI - LAMELLARE	0	90	38	37
Beam 18	Beam2	2: PRINCIPALI - LAMELLARE	0	90	40	39
Beam 19	Beam2	2: PRINCIPALI - LAMELLARE	0	90	42	41
Beam 20	Beam2	2: PRINCIPALI - LAMELLARE	0	90	44	43
Beam 21	Beam2	2: PRINCIPALI - LAMELLARE	0	90	46	45
Beam 22	Beam2	2: PRINCIPALI - LAMELLARE	0	90	48	47
Beam 23	Beam2	2: PRINCIPALI - LAMELLARE	0	90	50	49
Beam 24	Beam2	2: PRINCIPALI - LAMELLARE	0	90	52	51
Beam 25	Beam2	2: PRINCIPALI - LAMELLARE	0	90	54	53
Beam 26	Beam2	2: PRINCIPALI - LAMELLARE	0	90	55	36
Beam 27	Beam2	2: PRINCIPALI - LAMELLARE	0	90	56	55
Beam 28	Beam2	2: PRINCIPALI - LAMELLARE	0	90	5	56
Beam 29	Beam2	2: PRINCIPALI - LAMELLARE	0	90	57	38
Beam 30	Beam2	2: PRINCIPALI - LAMELLARE	0	90	58	57
Beam 31	Beam2	2: PRINCIPALI - LAMELLARE	0	90	7	58
Beam 32	Beam2	2: PRINCIPALI - LAMELLARE	0	90	59	40
Beam 33	Beam2	2: PRINCIPALI - LAMELLARE	0	90	60	59
Beam 34	Beam2	2: PRINCIPALI - LAMELLARE	0	90	9	60
Beam 35	Beam2	2: PRINCIPALI - LAMELLARE	0	90	61	42
Beam 36	Beam2	2: PRINCIPALI - LAMELLARE	0	90	62	44
Beam 37	Beam2	2: PRINCIPALI - LAMELLARE	0	90	63	61
Beam 38	Beam2	2: PRINCIPALI - LAMELLARE	0	90	64	62
Beam 39	Beam2	2: PRINCIPALI - LAMELLARE	0	90	11	63
Beam 40	Beam2	2: PRINCIPALI - LAMELLARE	0	90	13	64
Beam 41	Beam2	2: PRINCIPALI - LAMELLARE	0	90	65	6
Beam 42	Beam2	2: PRINCIPALI - LAMELLARE	0	90	66	65
Beam 43	Beam2	2: PRINCIPALI - LAMELLARE	0	90	15	66
Beam 44	Beam2	2: PRINCIPALI - LAMELLARE	0	90	67	8

Beam 45	Beam2	2: PRINCIPALI - LAMELLARE	0	90	68	67
Beam 46	Beam2	2: PRINCIPALI - LAMELLARE	0	90	17	68
Beam 47	Beam2	2: PRINCIPALI - LAMELLARE	0	90	69	10
Beam 48	Beam2	2: PRINCIPALI - LAMELLARE	0	90	70	69
Beam 49	Beam2	2: PRINCIPALI - LAMELLARE	0	90	19	70
Beam 50	Beam2	2: PRINCIPALI - LAMELLARE	0	90	71	12
Beam 51	Beam2	2: PRINCIPALI - LAMELLARE	0	90	72	14
Beam 52	Beam2	2: PRINCIPALI - LAMELLARE	0	90	73	71
Beam 53	Beam2	2: PRINCIPALI - LAMELLARE	0	90	74	72
Beam 54	Beam2	2: PRINCIPALI - LAMELLARE	0	90	21	73
Beam 55	Beam2	2: PRINCIPALI - LAMELLARE	0	90	23	74
Beam 56	Beam2	2: PRINCIPALI - LAMELLARE	0	90	75	46
Beam 57	Beam2	2: PRINCIPALI - LAMELLARE	0	90	76	75
Beam 58	Beam2	2: PRINCIPALI - LAMELLARE	0	90	25	76
Beam 59	Beam2	2: PRINCIPALI - LAMELLARE	0	90	77	48
Beam 60	Beam2	2: PRINCIPALI - LAMELLARE	0	90	78	77
Beam 61	Beam2	2: PRINCIPALI - LAMELLARE	0	90	27	78
Beam 62	Beam2	2: PRINCIPALI - LAMELLARE	0	90	79	50
Beam 63	Beam2	2: PRINCIPALI - LAMELLARE	0	90	80	79
Beam 64	Beam2	2: PRINCIPALI - LAMELLARE	0	90	29	80
Beam 65	Beam2	2: PRINCIPALI - LAMELLARE	0	90	81	52
Beam 66	Beam2	2: PRINCIPALI - LAMELLARE	0	90	82	54
Beam 67	Beam2	2: PRINCIPALI - LAMELLARE	0	90	83	81
Beam 68	Beam2	2: PRINCIPALI - LAMELLARE	0	90	84	82
Beam 69	Beam2	2: PRINCIPALI - LAMELLARE	0	90	31	83
Beam 70	Beam2	2: PRINCIPALI - LAMELLARE	0	90	33	84
Beam 71	Beam2	2: PRINCIPALI - LAMELLARE	0	90	85	26
Beam 72	Beam2	2: PRINCIPALI - LAMELLARE	0	90	86	85
Beam 73	Beam2	2: PRINCIPALI - LAMELLARE	0	90	35	86
Beam 74	Beam2	2: PRINCIPALI - LAMELLARE	0	90	87	28
Beam 75	Beam2	2: PRINCIPALI - LAMELLARE	0	90	88	87
Beam 76	Beam2	2: PRINCIPALI - LAMELLARE	0	90	37	88
Beam 77	Beam2	2: PRINCIPALI - LAMELLARE	0	90	89	30
Beam 78	Beam2	2: PRINCIPALI - LAMELLARE	0	90	90	89
Beam 79	Beam2	2: PRINCIPALI - LAMELLARE	0	90	39	90
Beam 80	Beam2	2: PRINCIPALI - LAMELLARE	0	90	91	32
Beam 81	Beam2	2: PRINCIPALI - LAMELLARE	0	90	92	34
Beam 82	Beam2	2: PRINCIPALI - LAMELLARE	0	90	93	91
Beam 83	Beam2	2: PRINCIPALI - LAMELLARE	0	90	94	92
Beam 84	Beam2	2: PRINCIPALI - LAMELLARE	0	90	41	93
Beam 85	Beam2	2: PRINCIPALI - LAMELLARE	0	90	43	94
Beam 86	Beam2	2: PRINCIPALI - LAMELLARE	0	90	96	95
Beam 87	Beam2	2: PRINCIPALI - LAMELLARE	0	90	97	96
Beam 88	Beam2	2: PRINCIPALI - LAMELLARE	0	90	45	97
Beam 89	Beam2	2: PRINCIPALI - LAMELLARE	0	90	99	98
Beam 90	Beam2	2: PRINCIPALI - LAMELLARE	0	90	100	99
Beam 91	Beam2	2: PRINCIPALI - LAMELLARE	0	90	47	100
Beam 92	Beam2	2: PRINCIPALI - LAMELLARE	0	90	102	101
Beam 93	Beam2	2: PRINCIPALI - LAMELLARE	0	90	103	102
Beam 94	Beam2	2: PRINCIPALI - LAMELLARE	0	90	49	103

Beam 95	Beam2	2: PRINCIPALI - LAMELLARE	0	90	105	104
Beam 96	Beam2	2: PRINCIPALI - LAMELLARE	0	90	107	106
Beam 97	Beam2	2: PRINCIPALI - LAMELLARE	0	90	108	105
Beam 98	Beam2	2: PRINCIPALI - LAMELLARE	0	90	109	107
Beam 99	Beam2	2: PRINCIPALI - LAMELLARE	0	90	51	108
Beam 100	Beam2	2: PRINCIPALI - LAMELLARE	0	90	53	109
Beam 101	Beam2	5: ARCARECCI - LAMELLARE	0	90	111	110
Beam 102	Beam2	5: ARCARECCI - LAMELLARE	0	90	112	111
Beam 103	Beam2	5: ARCARECCI - LAMELLARE	0	90	113	112
Beam 104	Beam2	5: ARCARECCI - LAMELLARE	0	90	114	113
Beam 105	Beam2	5: ARCARECCI - LAMELLARE	0	90	116	115
Beam 106	Beam2	5: ARCARECCI - LAMELLARE	0	90	117	116
Beam 107	Beam2	5: ARCARECCI - LAMELLARE	0	90	118	117
Beam 108	Beam2	5: ARCARECCI - LAMELLARE	0	90	119	118
Beam 109	Beam2	5: ARCARECCI - LAMELLARE	0	90	121	120
Beam 110	Beam2	5: ARCARECCI - LAMELLARE	0	90	122	121
Beam 111	Beam2	5: ARCARECCI - LAMELLARE	0	90	123	122
Beam 112	Beam2	5: ARCARECCI - LAMELLARE	0	90	124	123
Beam 113	Beam2	5: ARCARECCI - LAMELLARE	0	90	126	125
Beam 114	Beam2	5: ARCARECCI - LAMELLARE	0	90	127	126
Beam 115	Beam2	5: ARCARECCI - LAMELLARE	0	90	128	127
Beam 116	Beam2	5: ARCARECCI - LAMELLARE	0	90	129	128
Beam 117	Beam2	5: ARCARECCI - LAMELLARE	0	90	131	130
Beam 118	Beam2	5: ARCARECCI - LAMELLARE	0	90	132	131
Beam 119	Beam2	5: ARCARECCI - LAMELLARE	0	90	133	132
Beam 120	Beam2	5: ARCARECCI - LAMELLARE	0	90	134	133
Beam 121	Beam2	5: ARCARECCI - LAMELLARE	0	90	136	135
Beam 122	Beam2	5: ARCARECCI - LAMELLARE	0	90	137	136
Beam 123	Beam2	5: ARCARECCI - LAMELLARE	0	90	138	137
Beam 124	Beam2	5: ARCARECCI - LAMELLARE	0	90	139	138
Beam 125	Beam2	5: ARCARECCI - LAMELLARE	0	90	141	140
Beam 126	Beam2	5: ARCARECCI - LAMELLARE	0	90	142	141
Beam 127	Beam2	5: ARCARECCI - LAMELLARE	0	90	143	142
Beam 128	Beam2	5: ARCARECCI - LAMELLARE	0	90	144	143
Beam 129	Beam2	5: ARCARECCI - LAMELLARE	0	90	146	145
Beam 130	Beam2	5: ARCARECCI - LAMELLARE	0	90	147	146
Beam 131	Beam2	5: ARCARECCI - LAMELLARE	0	90	148	147
Beam 132	Beam2	5: ARCARECCI - LAMELLARE	0	90	149	148
Beam 133	Beam2	5: ARCARECCI - LAMELLARE	0	90	151	150
Beam 134	Beam2	5: ARCARECCI - LAMELLARE	0	90	152	151
Beam 135	Beam2	5: ARCARECCI - LAMELLARE	0	90	153	152
Beam 136	Beam2	5: ARCARECCI - LAMELLARE	0	90	154	153
Beam 137	Beam2	5: ARCARECCI - LAMELLARE	0	90	156	155
Beam 138	Beam2	5: ARCARECCI - LAMELLARE	0	90	157	156
Beam 139	Beam2	5: ARCARECCI - LAMELLARE	0	90	158	157
Beam 140	Beam2	5: ARCARECCI - LAMELLARE	0	90	159	158
Beam 141	Beam2	5: ARCARECCI - LAMELLARE	0	90	161	160
Beam 142	Beam2	5: ARCARECCI - LAMELLARE	0	90	162	161
Beam 143	Beam2	5: ARCARECCI - LAMELLARE	0	90	163	162
Beam 144	Beam2	5: ARCARECCI - LAMELLARE	0	90	164	163

Beam 145	Beam2	5: ARCARECCI - LAMELLARE	0	90	166	165
Beam 146	Beam2	5: ARCARECCI - LAMELLARE	0	90	167	166
Beam 147	Beam2	5: ARCARECCI - LAMELLARE	0	90	168	167
Beam 148	Beam2	5: ARCARECCI - LAMELLARE	0	90	169	168
Beam 149	Beam2	5: ARCARECCI - LAMELLARE	0	90	171	170
Beam 150	Beam2	5: ARCARECCI - LAMELLARE	0	90	172	171
Beam 151	Beam2	5: ARCARECCI - LAMELLARE	0	90	173	172
Beam 152	Beam2	5: ARCARECCI - LAMELLARE	0	90	174	173
Beam 153	Beam2	5: ARCARECCI - LAMELLARE	0	90	176	175
Beam 154	Beam2	5: ARCARECCI - LAMELLARE	0	90	177	176
Beam 155	Beam2	5: ARCARECCI - LAMELLARE	0	90	178	177
Beam 156	Beam2	5: ARCARECCI - LAMELLARE	0	90	179	178
Beam 157	Beam2	5: ARCARECCI - LAMELLARE	0	90	181	180
Beam 158	Beam2	5: ARCARECCI - LAMELLARE	0	90	182	181
Beam 159	Beam2	5: ARCARECCI - LAMELLARE	0	90	183	182
Beam 160	Beam2	5: ARCARECCI - LAMELLARE	0	90	184	183
Beam 161	Beam2	5: ARCARECCI - LAMELLARE	0	90	186	185
Beam 162	Beam2	5: ARCARECCI - LAMELLARE	0	90	187	186
Beam 163	Beam2	5: ARCARECCI - LAMELLARE	0	90	188	187
Beam 164	Beam2	5: ARCARECCI - LAMELLARE	0	90	189	188
Beam 165	Beam2	5: ARCARECCI - LAMELLARE	0	90	191	190
Beam 166	Beam2	5: ARCARECCI - LAMELLARE	0	90	192	191
Beam 167	Beam2	5: ARCARECCI - LAMELLARE	0	90	193	192
Beam 168	Beam2	5: ARCARECCI - LAMELLARE	0	90	194	193
Beam 169	Beam2	5: ARCARECCI - LAMELLARE	0	90	196	195
Beam 170	Beam2	5: ARCARECCI - LAMELLARE	0	90	197	196
Beam 171	Beam2	5: ARCARECCI - LAMELLARE	0	90	198	197
Beam 172	Beam2	5: ARCARECCI - LAMELLARE	0	90	199	198
Beam 173	Beam2	5: ARCARECCI - LAMELLARE	0	90	201	200
Beam 174	Beam2	5: ARCARECCI - LAMELLARE	0	90	202	201
Beam 175	Beam2	5: ARCARECCI - LAMELLARE	0	90	203	202
Beam 176	Beam2	5: ARCARECCI - LAMELLARE	0	90	204	203
Beam 177	Beam2	5: ARCARECCI - LAMELLARE	0	90	206	205
Beam 178	Beam2	5: ARCARECCI - LAMELLARE	0	90	207	206
Beam 179	Beam2	5: ARCARECCI - LAMELLARE	0	90	208	207
Beam 180	Beam2	5: ARCARECCI - LAMELLARE	0	90	209	208
Beam 181	Beam2	5: ARCARECCI - LAMELLARE	0	90	211	210
Beam 182	Beam2	5: ARCARECCI - LAMELLARE	0	90	212	211
Beam 183	Beam2	5: ARCARECCI - LAMELLARE	0	90	213	212
Beam 184	Beam2	5: ARCARECCI - LAMELLARE	0	90	214	213
Beam 185	Beam2	3: PRINCIPALI - ACCIAIO	0	90	216	215
Beam 186	Beam2	3: PRINCIPALI - ACCIAIO	0	90	218	217
Beam 187	Beam2	4: FICT 1	0	0	141	5
Beam 188	Beam2	4: FICT 1	0	0	211	6
Beam 189	Beam2	4: FICT 1	0	0	142	7
Beam 190	Beam2	4: FICT 1	0	0	212	8
Beam 191	Beam2	4: FICT 1	0	0	143	9
Beam 192	Beam2	4: FICT 1	0	0	213	10
Beam 193	Beam2	4: FICT 1	0	0	140	11
Beam 194	Beam2	4: FICT 1	0	0	144	13

Beam 195	Beam2	4: FICT 1	0	0	210	12
Beam 196	Beam2	4: FICT 1	0	0	214	14
Beam 197	Beam2	4: FICT 1	0	0	156	15
Beam 198	Beam2	4: FICT 1	0	0	111	16
Beam 199	Beam2	4: FICT 1	0	0	157	17
Beam 200	Beam2	4: FICT 1	0	0	112	18
Beam 201	Beam2	4: FICT 1	0	0	158	19
Beam 202	Beam2	4: FICT 1	0	0	113	20
Beam 203	Beam2	4: FICT 1	0	0	155	21
Beam 204	Beam2	4: FICT 1	0	0	159	23
Beam 205	Beam2	4: FICT 1	0	0	110	22
Beam 206	Beam2	4: FICT 1	0	0	114	24
Beam 207	Beam2	4: FICT 1	0	0	171	25
Beam 208	Beam2	4: FICT 1	0	0	116	26
Beam 209	Beam2	4: FICT 1	0	0	172	27
Beam 210	Beam2	4: FICT 1	0	0	117	28
Beam 211	Beam2	4: FICT 1	0	0	173	29
Beam 212	Beam2	4: FICT 1	0	0	118	30
Beam 213	Beam2	4: FICT 1	0	0	170	31
Beam 214	Beam2	4: FICT 1	0	0	174	33
Beam 215	Beam2	4: FICT 1	0	0	115	32
Beam 216	Beam2	4: FICT 1	0	0	119	34
Beam 217	Beam2	4: FICT 1	0	0	186	35
Beam 218	Beam2	4: FICT 1	0	0	121	36
Beam 219	Beam2	4: FICT 1	0	0	187	37
Beam 220	Beam2	4: FICT 1	0	0	122	38
Beam 221	Beam2	4: FICT 1	0	0	188	39
Beam 222	Beam2	4: FICT 1	0	0	123	40
Beam 223	Beam2	4: FICT 1	0	0	185	41
Beam 224	Beam2	4: FICT 1	0	0	189	43
Beam 225	Beam2	4: FICT 1	0	0	120	42
Beam 226	Beam2	4: FICT 1	0	0	124	44
Beam 227	Beam2	4: FICT 1	0	0	201	45
Beam 228	Beam2	4: FICT 1	0	0	126	46
Beam 229	Beam2	4: FICT 1	0	0	202	47
Beam 230	Beam2	4: FICT 1	0	0	127	48
Beam 231	Beam2	4: FICT 1	0	0	203	49
Beam 232	Beam2	4: FICT 1	0	0	128	50
Beam 233	Beam2	4: FICT 1	0	0	200	51
Beam 234	Beam2	4: FICT 1	0	0	204	53
Beam 235	Beam2	4: FICT 1	0	0	125	52
Beam 236	Beam2	4: FICT 1	0	0	129	54
Beam 237	Beam2	4: FICT 1	0	0	131	55
Beam 238	Beam2	4: FICT 1	0	0	136	56
Beam 239	Beam2	4: FICT 1	0	0	132	57
Beam 240	Beam2	4: FICT 1	0	0	137	58
Beam 241	Beam2	4: FICT 1	0	0	133	59
Beam 242	Beam2	4: FICT 1	0	0	138	60
Beam 243	Beam2	4: FICT 1	0	0	130	61
Beam 244	Beam2	4: FICT 1	0	0	134	62

Beam 245	Beam2	4: FICT 1	0	0	135	63
Beam 246	Beam2	4: FICT 1	0	0	139	64
Beam 247	Beam2	4: FICT 1	0	0	146	65
Beam 248	Beam2	4: FICT 1	0	0	151	66
Beam 249	Beam2	4: FICT 1	0	0	147	67
Beam 250	Beam2	4: FICT 1	0	0	152	68
Beam 251	Beam2	4: FICT 1	0	0	148	69
Beam 252	Beam2	4: FICT 1	0	0	153	70
Beam 253	Beam2	4: FICT 1	0	0	145	71
Beam 254	Beam2	4: FICT 1	0	0	149	72
Beam 255	Beam2	4: FICT 1	0	0	150	73
Beam 256	Beam2	4: FICT 1	0	0	154	74
Beam 257	Beam2	4: FICT 1	0	0	161	75
Beam 258	Beam2	4: FICT 1	0	0	166	76
Beam 259	Beam2	4: FICT 1	0	0	162	77
Beam 260	Beam2	4: FICT 1	0	0	167	78
Beam 261	Beam2	4: FICT 1	0	0	163	79
Beam 262	Beam2	4: FICT 1	0	0	168	80
Beam 263	Beam2	4: FICT 1	0	0	160	81
Beam 264	Beam2	4: FICT 1	0	0	164	82
Beam 265	Beam2	4: FICT 1	0	0	165	83
Beam 266	Beam2	4: FICT 1	0	0	169	84
Beam 267	Beam2	4: FICT 1	0	0	176	85
Beam 268	Beam2	4: FICT 1	0	0	181	86
Beam 269	Beam2	4: FICT 1	0	0	177	87
Beam 270	Beam2	4: FICT 1	0	0	182	88
Beam 271	Beam2	4: FICT 1	0	0	178	89
Beam 272	Beam2	4: FICT 1	0	0	183	90
Beam 273	Beam2	4: FICT 1	0	0	175	91
Beam 274	Beam2	4: FICT 1	0	0	179	92
Beam 275	Beam2	4: FICT 1	0	0	180	93
Beam 276	Beam2	4: FICT 1	0	0	184	94
Beam 277	Beam2	4: FICT 1	0	0	206	95
Beam 278	Beam2	4: FICT 1	0	0	191	96
Beam 279	Beam2	4: FICT 1	0	0	196	97
Beam 280	Beam2	4: FICT 1	0	0	207	98
Beam 281	Beam2	4: FICT 1	0	0	192	99
Beam 282	Beam2	4: FICT 1	0	0	197	100
Beam 283	Beam2	4: FICT 1	0	0	208	101
Beam 284	Beam2	4: FICT 1	0	0	193	102
Beam 285	Beam2	4: FICT 1	0	0	198	103
Beam 286	Beam2	4: FICT 1	0	0	205	104
Beam 287	Beam2	4: FICT 1	0	0	209	106
Beam 288	Beam2	4: FICT 1	0	0	190	105
Beam 289	Beam2	4: FICT 1	0	0	194	107
Beam 290	Beam2	4: FICT 1	0	0	195	108
Beam 291	Beam2	4: FICT 1	0	0	199	109
Beam 292	Beam2	6: FICT 2	0	0	220	219
Beam 293	Beam2	6: FICT 2	0	0	222	221
Beam 294	Beam2	6: FICT 2	0	0	224	223

Beam 295	Beam2	6: FICT 2	0	0	226	225
Beam 296	Beam2	6: FICT 2	0	0	227	219
Beam 297	Beam2	6: FICT 2	0	0	228	221
Beam 298	Beam2	6: FICT 2	0	0	229	223
Beam 299	Beam2	6: FICT 2	0	0	230	225
Beam 300	Beam2	4: FICT 1	0	0	231	6
Beam 301	Beam2	4: FICT 1	0	0	232	8
Beam 302	Beam2	4: FICT 1	0	0	233	10
Beam 303	Beam2	4: FICT 1	0	0	229	12
Beam 304	Beam2	4: FICT 1	0	0	230	14
Beam 305	Beam2	4: FICT 1	0	0	234	95
Beam 306	Beam2	4: FICT 1	0	0	235	98
Beam 307	Beam2	4: FICT 1	0	0	236	101
Beam 308	Beam2	4: FICT 1	0	0	227	104
Beam 309	Beam2	4: FICT 1	0	0	228	106
Beam 310	Beam2	6: FICT 2	0	0	236	237
Beam 311	Beam2	6: FICT 2	0	0	235	238
Beam 312	Beam2	6: FICT 2	0	0	234	216
Beam 313	Beam2	6: FICT 2	0	0	233	239
Beam 314	Beam2	6: FICT 2	0	0	232	240
Beam 315	Beam2	6: FICT 2	0	0	231	218
Beam 316	Beam2	27: traversi rinforzati	0	90	221	241
Beam 317	Beam2	3: PRINCIPALI - ACCIAIO	0	90	237	242
Beam 318	Beam2	3: PRINCIPALI - ACCIAIO	0	90	238	243
Beam 319	Beam2	27: traversi rinforzati	0	90	225	244
Beam 320	Beam2	3: PRINCIPALI - ACCIAIO	0	90	239	245
Beam 321	Beam2	3: PRINCIPALI - ACCIAIO	0	90	240	246
Beam 322	Beam2	8: CONTROVENTI	0	0	121	210
Beam 323	Beam2	8: CONTROVENTI	0	0	115	121
Beam 324	Beam2	8: CONTROVENTI	0	0	126	115
Beam 325	Beam2	8: CONTROVENTI	0	0	205	126
Beam 326	Beam2	8: CONTROVENTI	0	0	111	210
Beam 327	Beam2	16: MONTANTI FACCIATA	0	90	248	247
Beam 328	Beam2	16: MONTANTI FACCIATA	0	90	250	249
Beam 329	Beam2	16: MONTANTI FACCIATA	0	90	252	251
Beam 330	Beam2	16: MONTANTI FACCIATA	0	90	254	253
Beam 331	Beam2	16: MONTANTI FACCIATA	0	90	256	255
Beam 332	Beam2	16: MONTANTI FACCIATA	0	0	258	257
Beam 333	Beam2	16: MONTANTI FACCIATA	0	0	260	259
Beam 334	Beam2	16: MONTANTI FACCIATA	0	0	262	261
Beam 335	Beam2	16: MONTANTI FACCIATA	0	0	264	263
Beam 336	Beam2	16: MONTANTI FACCIATA	0	0	266	265
Beam 337	Beam2	18: PUNTONI FACCIATA	0	0	248	229
Beam 338	Beam2	18: PUNTONI FACCIATA	0	0	250	267
Beam 339	Beam2	18: PUNTONI FACCIATA	0	0	252	268
Beam 340	Beam2	18: PUNTONI FACCIATA	0	0	254	269
Beam 341	Beam2	18: PUNTONI FACCIATA	0	0	256	227
Beam 342	Beam2	18: PUNTONI FACCIATA	0	0	223	258
Beam 343	Beam2	18: PUNTONI FACCIATA	0	0	218	260
Beam 344	Beam2	18: PUNTONI FACCIATA	0	0	240	262

Beam 345	Beam2	18: PUNTONI FACCIATA	0	0	239	264
Beam 346	Beam2	18: PUNTONI FACCIATA	0	0	225	266
Beam 347	Beam2	17: CONTROVENTI FACCIATA	0	0	250	247
Beam 348	Beam2	17: CONTROVENTI FACCIATA	0	0	248	249
Beam 349	Beam2	19: TRAVERSI FACCIATA	0	0	250	248
Beam 350	Beam2	19: TRAVERSI FACCIATA	0	0	252	250
Beam 351	Beam2	19: TRAVERSI FACCIATA	0	0	254	252
Beam 352	Beam2	19: TRAVERSI FACCIATA	0	0	256	254
Beam 353	Beam2	19: TRAVERSI FACCIATA	0	0	258	260
Beam 354	Beam2	19: TRAVERSI FACCIATA	0	0	260	262
Beam 355	Beam2	19: TRAVERSI FACCIATA	0	0	262	264
Beam 356	Beam2	19: TRAVERSI FACCIATA	0	0	264	266
Beam 357	Beam2	17: CONTROVENTI FACCIATA	0	0	262	263
Beam 358	Beam2	17: CONTROVENTI FACCIATA	0	0	264	261
Beam 359	Beam2	17: CONTROVENTI FACCIATA	0	0	260	261
Beam 360	Beam2	17: CONTROVENTI FACCIATA	0	0	262	259
Beam 361	Beam2	3: PRINCIPALI - ACCIAIO	0	90	215	219
Beam 362	Beam2	3: PRINCIPALI - ACCIAIO	0	90	217	223
Beam 363	Beam2	3: PRINCIPALI - ACCIAIO	0	90	241	237
Beam 364	Beam2	3: PRINCIPALI - ACCIAIO	0	90	242	238
Beam 365	Beam2	3: PRINCIPALI - ACCIAIO	0	90	243	216
Beam 366	Beam2	3: PRINCIPALI - ACCIAIO	0	90	244	239
Beam 367	Beam2	3: PRINCIPALI - ACCIAIO	0	90	245	240
Beam 368	Beam2	3: PRINCIPALI - ACCIAIO	0	90	246	218
Beam 369	Beam2	4: FICT 1	0	0	32	268
Beam 370	Beam2	4: FICT 1	0	0	42	267
Beam 371	Beam2	4: FICT 1	0	0	52	269
Beam 372	Beam2	21: FICT 3	0	0	210	270
Beam 373	Beam2	21: FICT 3	0	0	140	271
Beam 374	Beam2	21: FICT 3	0	0	141	272
Beam 375	Beam2	21: FICT 3	0	0	211	273
Beam 376	Beam2	21: FICT 3	0	0	110	274
Beam 377	Beam2	21: FICT 3	0	0	155	275
Beam 378	Beam2	21: FICT 3	0	0	156	276
Beam 379	Beam2	21: FICT 3	0	0	111	277
Beam 380	Beam2	21: FICT 3	0	0	115	278
Beam 381	Beam2	21: FICT 3	0	0	170	279
Beam 382	Beam2	21: FICT 3	0	0	171	280
Beam 383	Beam2	21: FICT 3	0	0	116	281
Beam 384	Beam2	21: FICT 3	0	0	120	282
Beam 385	Beam2	21: FICT 3	0	0	185	283
Beam 386	Beam2	21: FICT 3	0	0	186	284
Beam 387	Beam2	21: FICT 3	0	0	121	285
Beam 388	Beam2	21: FICT 3	0	0	125	286
Beam 389	Beam2	21: FICT 3	0	0	200	287
Beam 390	Beam2	21: FICT 3	0	0	201	288
Beam 391	Beam2	21: FICT 3	0	0	126	289
Beam 392	Beam2	21: FICT 3	0	0	142	290
Beam 393	Beam2	21: FICT 3	0	0	212	291
Beam 394	Beam2	21: FICT 3	0	0	143	292

Beam 395	Beam2	21: FICT 3	0	0	213	293
Beam 396	Beam2	21: FICT 3	0	0	144	294
Beam 397	Beam2	21: FICT 3	0	0	214	295
Beam 398	Beam2	21: FICT 3	0	0	157	296
Beam 399	Beam2	21: FICT 3	0	0	112	297
Beam 400	Beam2	21: FICT 3	0	0	158	298
Beam 401	Beam2	21: FICT 3	0	0	113	299
Beam 402	Beam2	21: FICT 3	0	0	159	300
Beam 403	Beam2	21: FICT 3	0	0	114	301
Beam 404	Beam2	21: FICT 3	0	0	172	302
Beam 405	Beam2	21: FICT 3	0	0	117	303
Beam 406	Beam2	21: FICT 3	0	0	173	304
Beam 407	Beam2	21: FICT 3	0	0	118	305
Beam 408	Beam2	21: FICT 3	0	0	174	306
Beam 409	Beam2	21: FICT 3	0	0	119	307
Beam 410	Beam2	21: FICT 3	0	0	187	308
Beam 411	Beam2	21: FICT 3	0	0	122	309
Beam 412	Beam2	21: FICT 3	0	0	188	310
Beam 413	Beam2	21: FICT 3	0	0	123	311
Beam 414	Beam2	21: FICT 3	0	0	189	312
Beam 415	Beam2	21: FICT 3	0	0	124	313
Beam 416	Beam2	21: FICT 3	0	0	202	314
Beam 417	Beam2	21: FICT 3	0	0	127	315
Beam 418	Beam2	21: FICT 3	0	0	203	316
Beam 419	Beam2	21: FICT 3	0	0	128	317
Beam 420	Beam2	21: FICT 3	0	0	204	318
Beam 421	Beam2	21: FICT 3	0	0	129	319
Beam 422	Beam2	21: FICT 3	0	0	130	320
Beam 423	Beam2	21: FICT 3	0	0	131	321
Beam 424	Beam2	21: FICT 3	0	0	135	322
Beam 425	Beam2	21: FICT 3	0	0	136	323
Beam 426	Beam2	21: FICT 3	0	0	145	324
Beam 427	Beam2	21: FICT 3	0	0	146	325
Beam 428	Beam2	21: FICT 3	0	0	150	326
Beam 429	Beam2	21: FICT 3	0	0	151	327
Beam 430	Beam2	21: FICT 3	0	0	160	328
Beam 431	Beam2	21: FICT 3	0	0	161	329
Beam 432	Beam2	21: FICT 3	0	0	165	330
Beam 433	Beam2	21: FICT 3	0	0	166	331
Beam 434	Beam2	21: FICT 3	0	0	175	332
Beam 435	Beam2	21: FICT 3	0	0	176	333
Beam 436	Beam2	21: FICT 3	0	0	180	334
Beam 437	Beam2	21: FICT 3	0	0	181	335
Beam 438	Beam2	21: FICT 3	0	0	190	336
Beam 439	Beam2	21: FICT 3	0	0	205	337
Beam 440	Beam2	21: FICT 3	0	0	206	338
Beam 441	Beam2	21: FICT 3	0	0	191	339
Beam 442	Beam2	21: FICT 3	0	0	195	340
Beam 443	Beam2	21: FICT 3	0	0	196	341
Beam 444	Beam2	21: FICT 3	0	0	132	342

Beam 445	Beam2	21: FICT 3	0	0	137	343
Beam 446	Beam2	21: FICT 3	0	0	133	344
Beam 447	Beam2	21: FICT 3	0	0	138	345
Beam 448	Beam2	21: FICT 3	0	0	134	346
Beam 449	Beam2	21: FICT 3	0	0	139	347
Beam 450	Beam2	21: FICT 3	0	0	147	348
Beam 451	Beam2	21: FICT 3	0	0	152	349
Beam 452	Beam2	21: FICT 3	0	0	148	350
Beam 453	Beam2	21: FICT 3	0	0	153	351
Beam 454	Beam2	21: FICT 3	0	0	149	352
Beam 455	Beam2	21: FICT 3	0	0	154	353
Beam 456	Beam2	21: FICT 3	0	0	162	354
Beam 457	Beam2	21: FICT 3	0	0	167	355
Beam 458	Beam2	21: FICT 3	0	0	163	356
Beam 459	Beam2	21: FICT 3	0	0	168	357
Beam 460	Beam2	21: FICT 3	0	0	164	358
Beam 461	Beam2	21: FICT 3	0	0	169	359
Beam 462	Beam2	21: FICT 3	0	0	177	360
Beam 463	Beam2	21: FICT 3	0	0	182	361
Beam 464	Beam2	21: FICT 3	0	0	178	362
Beam 465	Beam2	21: FICT 3	0	0	183	363
Beam 466	Beam2	21: FICT 3	0	0	179	364
Beam 467	Beam2	21: FICT 3	0	0	184	365
Beam 468	Beam2	21: FICT 3	0	0	207	366
Beam 469	Beam2	21: FICT 3	0	0	192	367
Beam 470	Beam2	21: FICT 3	0	0	197	368
Beam 471	Beam2	21: FICT 3	0	0	208	369
Beam 472	Beam2	21: FICT 3	0	0	193	370
Beam 473	Beam2	21: FICT 3	0	0	198	371
Beam 474	Beam2	21: FICT 3	0	0	209	372
Beam 475	Beam2	21: FICT 3	0	0	194	373
Beam 476	Beam2	21: FICT 3	0	0	199	374
Beam 477	Beam2	2: PRINCIPALI - LAMELLARE	0	90	380	379
Beam 478	Beam2	2: PRINCIPALI - LAMELLARE	0	90	382	381
Beam 479	Beam2	2: PRINCIPALI - LAMELLARE	0	90	384	383
Beam 480	Beam2	2: PRINCIPALI - LAMELLARE	0	90	386	385
Beam 481	Beam2	2: PRINCIPALI - LAMELLARE	0	90	388	387
Beam 482	Beam2	2: PRINCIPALI - LAMELLARE	0	90	390	389
Beam 483	Beam2	2: PRINCIPALI - LAMELLARE	0	90	392	391
Beam 484	Beam2	2: PRINCIPALI - LAMELLARE	0	90	394	393
Beam 485	Beam2	2: PRINCIPALI - LAMELLARE	0	90	396	395
Beam 486	Beam2	2: PRINCIPALI - LAMELLARE	0	90	398	397
Beam 487	Beam2	2: PRINCIPALI - LAMELLARE	0	90	400	399
Beam 488	Beam2	2: PRINCIPALI - LAMELLARE	0	90	402	401
Beam 489	Beam2	2: PRINCIPALI - LAMELLARE	0	90	404	403
Beam 490	Beam2	2: PRINCIPALI - LAMELLARE	0	90	406	405
Beam 491	Beam2	2: PRINCIPALI - LAMELLARE	0	90	408	407
Beam 492	Beam2	2: PRINCIPALI - LAMELLARE	0	90	410	409
Beam 493	Beam2	2: PRINCIPALI - LAMELLARE	0	90	412	411
Beam 494	Beam2	2: PRINCIPALI - LAMELLARE	0	90	414	413

Beam 495	Beam2	2: PRINCIPALI - LAMELLARE	0	90	416	415
Beam 496	Beam2	2: PRINCIPALI - LAMELLARE	0	90	418	417
Beam 497	Beam2	2: PRINCIPALI - LAMELLARE	0	90	420	419
Beam 498	Beam2	2: PRINCIPALI - LAMELLARE	0	90	422	421
Beam 499	Beam2	2: PRINCIPALI - LAMELLARE	0	90	424	423
Beam 500	Beam2	2: PRINCIPALI - LAMELLARE	0	90	426	425
Beam 501	Beam2	2: PRINCIPALI - LAMELLARE	0	90	428	427
Beam 502	Beam2	2: PRINCIPALI - LAMELLARE	0	90	430	429
Beam 503	Beam2	2: PRINCIPALI - LAMELLARE	0	90	432	431
Beam 504	Beam2	2: PRINCIPALI - LAMELLARE	0	90	434	433
Beam 505	Beam2	2: PRINCIPALI - LAMELLARE	0	90	436	435
Beam 506	Beam2	2: PRINCIPALI - LAMELLARE	0	90	438	437
Beam 507	Beam2	2: PRINCIPALI - LAMELLARE	0	90	440	439
Beam 508	Beam2	2: PRINCIPALI - LAMELLARE	0	90	442	441
Beam 509	Beam2	2: PRINCIPALI - LAMELLARE	0	90	444	443
Beam 510	Beam2	2: PRINCIPALI - LAMELLARE	0	90	446	445
Beam 511	Beam2	2: PRINCIPALI - LAMELLARE	0	90	448	447
Beam 512	Beam2	2: PRINCIPALI - LAMELLARE	0	90	450	449
Beam 513	Beam2	2: PRINCIPALI - LAMELLARE	0	90	452	451
Beam 514	Beam2	2: PRINCIPALI - LAMELLARE	0	90	454	453
Beam 515	Beam2	2: PRINCIPALI - LAMELLARE	0	90	456	455
Beam 516	Beam2	2: PRINCIPALI - LAMELLARE	0	90	458	457
Beam 517	Beam2	2: PRINCIPALI - LAMELLARE	0	90	459	428
Beam 518	Beam2	2: PRINCIPALI - LAMELLARE	0	90	460	430
Beam 519	Beam2	2: PRINCIPALI - LAMELLARE	0	90	461	459
Beam 520	Beam2	2: PRINCIPALI - LAMELLARE	0	90	462	460
Beam 521	Beam2	2: PRINCIPALI - LAMELLARE	0	90	379	461
Beam 522	Beam2	2: PRINCIPALI - LAMELLARE	0	90	381	462
Beam 523	Beam2	2: PRINCIPALI - LAMELLARE	0	90	463	432
Beam 524	Beam2	2: PRINCIPALI - LAMELLARE	0	90	464	434
Beam 525	Beam2	2: PRINCIPALI - LAMELLARE	0	90	465	463
Beam 526	Beam2	2: PRINCIPALI - LAMELLARE	0	90	466	464
Beam 527	Beam2	2: PRINCIPALI - LAMELLARE	0	90	383	465
Beam 528	Beam2	2: PRINCIPALI - LAMELLARE	0	90	385	466
Beam 529	Beam2	2: PRINCIPALI - LAMELLARE	0	90	467	436
Beam 530	Beam2	2: PRINCIPALI - LAMELLARE	0	90	468	438
Beam 531	Beam2	2: PRINCIPALI - LAMELLARE	0	90	469	467
Beam 532	Beam2	2: PRINCIPALI - LAMELLARE	0	90	470	468
Beam 533	Beam2	2: PRINCIPALI - LAMELLARE	0	90	387	469
Beam 534	Beam2	2: PRINCIPALI - LAMELLARE	0	90	389	470
Beam 535	Beam2	2: PRINCIPALI - LAMELLARE	0	90	471	440
Beam 536	Beam2	2: PRINCIPALI - LAMELLARE	0	90	472	442
Beam 537	Beam2	2: PRINCIPALI - LAMELLARE	0	90	473	471
Beam 538	Beam2	2: PRINCIPALI - LAMELLARE	0	90	474	472
Beam 539	Beam2	2: PRINCIPALI - LAMELLARE	0	90	391	473
Beam 540	Beam2	2: PRINCIPALI - LAMELLARE	0	90	393	474
Beam 541	Beam2	2: PRINCIPALI - LAMELLARE	0	90	475	380
Beam 542	Beam2	2: PRINCIPALI - LAMELLARE	0	90	476	382
Beam 543	Beam2	2: PRINCIPALI - LAMELLARE	0	90	477	475
Beam 544	Beam2	2: PRINCIPALI - LAMELLARE	0	90	478	476

Beam 545	Beam2	2: PRINCIPALI - LAMELLARE	0	90	395	477
Beam 546	Beam2	2: PRINCIPALI - LAMELLARE	0	90	397	478
Beam 547	Beam2	2: PRINCIPALI - LAMELLARE	0	90	479	384
Beam 548	Beam2	2: PRINCIPALI - LAMELLARE	0	90	480	386
Beam 549	Beam2	2: PRINCIPALI - LAMELLARE	0	90	481	479
Beam 550	Beam2	2: PRINCIPALI - LAMELLARE	0	90	482	480
Beam 551	Beam2	2: PRINCIPALI - LAMELLARE	0	90	399	481
Beam 552	Beam2	2: PRINCIPALI - LAMELLARE	0	90	401	482
Beam 553	Beam2	2: PRINCIPALI - LAMELLARE	0	90	483	388
Beam 554	Beam2	2: PRINCIPALI - LAMELLARE	0	90	484	390
Beam 555	Beam2	2: PRINCIPALI - LAMELLARE	0	90	485	483
Beam 556	Beam2	2: PRINCIPALI - LAMELLARE	0	90	486	484
Beam 557	Beam2	2: PRINCIPALI - LAMELLARE	0	90	403	485
Beam 558	Beam2	2: PRINCIPALI - LAMELLARE	0	90	405	486
Beam 559	Beam2	2: PRINCIPALI - LAMELLARE	0	90	487	392
Beam 560	Beam2	2: PRINCIPALI - LAMELLARE	0	90	488	394
Beam 561	Beam2	2: PRINCIPALI - LAMELLARE	0	90	489	487
Beam 562	Beam2	2: PRINCIPALI - LAMELLARE	0	90	490	488
Beam 563	Beam2	2: PRINCIPALI - LAMELLARE	0	90	407	489
Beam 564	Beam2	2: PRINCIPALI - LAMELLARE	0	90	409	490
Beam 565	Beam2	2: PRINCIPALI - LAMELLARE	0	90	491	444
Beam 566	Beam2	2: PRINCIPALI - LAMELLARE	0	90	492	446
Beam 567	Beam2	2: PRINCIPALI - LAMELLARE	0	90	493	491
Beam 568	Beam2	2: PRINCIPALI - LAMELLARE	0	90	494	492
Beam 569	Beam2	2: PRINCIPALI - LAMELLARE	0	90	411	493
Beam 570	Beam2	2: PRINCIPALI - LAMELLARE	0	90	413	494
Beam 571	Beam2	2: PRINCIPALI - LAMELLARE	0	90	495	448
Beam 572	Beam2	2: PRINCIPALI - LAMELLARE	0	90	496	450
Beam 573	Beam2	2: PRINCIPALI - LAMELLARE	0	90	497	495
Beam 574	Beam2	2: PRINCIPALI - LAMELLARE	0	90	498	496
Beam 575	Beam2	2: PRINCIPALI - LAMELLARE	0	90	415	497
Beam 576	Beam2	2: PRINCIPALI - LAMELLARE	0	90	417	498
Beam 577	Beam2	2: PRINCIPALI - LAMELLARE	0	90	499	452
Beam 578	Beam2	2: PRINCIPALI - LAMELLARE	0	90	500	454
Beam 579	Beam2	2: PRINCIPALI - LAMELLARE	0	90	501	499
Beam 580	Beam2	2: PRINCIPALI - LAMELLARE	0	90	502	500
Beam 581	Beam2	2: PRINCIPALI - LAMELLARE	0	90	419	501
Beam 582	Beam2	2: PRINCIPALI - LAMELLARE	0	90	421	502
Beam 583	Beam2	2: PRINCIPALI - LAMELLARE	0	90	503	456
Beam 584	Beam2	2: PRINCIPALI - LAMELLARE	0	90	504	458
Beam 585	Beam2	2: PRINCIPALI - LAMELLARE	0	90	505	503
Beam 586	Beam2	2: PRINCIPALI - LAMELLARE	0	90	506	504
Beam 587	Beam2	2: PRINCIPALI - LAMELLARE	0	90	423	505
Beam 588	Beam2	2: PRINCIPALI - LAMELLARE	0	90	425	506
Beam 589	Beam2	2: PRINCIPALI - LAMELLARE	0	90	507	412
Beam 590	Beam2	2: PRINCIPALI - LAMELLARE	0	90	508	414
Beam 591	Beam2	2: PRINCIPALI - LAMELLARE	0	90	509	507
Beam 592	Beam2	2: PRINCIPALI - LAMELLARE	0	90	510	508
Beam 593	Beam2	2: PRINCIPALI - LAMELLARE	0	90	427	509
Beam 594	Beam2	2: PRINCIPALI - LAMELLARE	0	90	429	510

Beam 595	Beam2	2: PRINCIPALI - LAMELLARE	0	90	511	416
Beam 596	Beam2	2: PRINCIPALI - LAMELLARE	0	90	512	418
Beam 597	Beam2	2: PRINCIPALI - LAMELLARE	0	90	513	511
Beam 598	Beam2	2: PRINCIPALI - LAMELLARE	0	90	514	512
Beam 599	Beam2	2: PRINCIPALI - LAMELLARE	0	90	431	513
Beam 600	Beam2	2: PRINCIPALI - LAMELLARE	0	90	433	514
Beam 601	Beam2	2: PRINCIPALI - LAMELLARE	0	90	515	420
Beam 602	Beam2	2: PRINCIPALI - LAMELLARE	0	90	516	422
Beam 603	Beam2	2: PRINCIPALI - LAMELLARE	0	90	517	515
Beam 604	Beam2	2: PRINCIPALI - LAMELLARE	0	90	518	516
Beam 605	Beam2	2: PRINCIPALI - LAMELLARE	0	90	435	517
Beam 606	Beam2	2: PRINCIPALI - LAMELLARE	0	90	437	518
Beam 607	Beam2	2: PRINCIPALI - LAMELLARE	0	90	519	424
Beam 608	Beam2	2: PRINCIPALI - LAMELLARE	0	90	520	426
Beam 609	Beam2	2: PRINCIPALI - LAMELLARE	0	90	521	519
Beam 610	Beam2	2: PRINCIPALI - LAMELLARE	0	90	522	520
Beam 611	Beam2	2: PRINCIPALI - LAMELLARE	0	90	439	521
Beam 612	Beam2	2: PRINCIPALI - LAMELLARE	0	90	441	522
Beam 613	Beam2	2: PRINCIPALI - LAMELLARE	0	90	524	523
Beam 614	Beam2	2: PRINCIPALI - LAMELLARE	0	90	526	525
Beam 615	Beam2	2: PRINCIPALI - LAMELLARE	0	90	527	524
Beam 616	Beam2	2: PRINCIPALI - LAMELLARE	0	90	528	526
Beam 617	Beam2	2: PRINCIPALI - LAMELLARE	0	90	443	527
Beam 618	Beam2	2: PRINCIPALI - LAMELLARE	0	90	445	528
Beam 619	Beam2	2: PRINCIPALI - LAMELLARE	0	90	530	529
Beam 620	Beam2	2: PRINCIPALI - LAMELLARE	0	90	532	531
Beam 621	Beam2	2: PRINCIPALI - LAMELLARE	0	90	533	530
Beam 622	Beam2	2: PRINCIPALI - LAMELLARE	0	90	534	532
Beam 623	Beam2	2: PRINCIPALI - LAMELLARE	0	90	447	533
Beam 624	Beam2	2: PRINCIPALI - LAMELLARE	0	90	449	534
Beam 625	Beam2	2: PRINCIPALI - LAMELLARE	0	90	536	535
Beam 626	Beam2	2: PRINCIPALI - LAMELLARE	0	90	538	537
Beam 627	Beam2	2: PRINCIPALI - LAMELLARE	0	90	539	536
Beam 628	Beam2	2: PRINCIPALI - LAMELLARE	0	90	540	538
Beam 629	Beam2	2: PRINCIPALI - LAMELLARE	0	90	451	539
Beam 630	Beam2	2: PRINCIPALI - LAMELLARE	0	90	453	540
Beam 631	Beam2	2: PRINCIPALI - LAMELLARE	0	90	542	541
Beam 632	Beam2	2: PRINCIPALI - LAMELLARE	0	90	544	543
Beam 633	Beam2	2: PRINCIPALI - LAMELLARE	0	90	545	542
Beam 634	Beam2	2: PRINCIPALI - LAMELLARE	0	90	546	544
Beam 635	Beam2	2: PRINCIPALI - LAMELLARE	0	90	455	545
Beam 636	Beam2	2: PRINCIPALI - LAMELLARE	0	90	457	546
Beam 637	Beam2	5: ARCARECCI - LAMELLARE	0	90	547	114
Beam 638	Beam2	5: ARCARECCI - LAMELLARE	0	90	549	548
Beam 639	Beam2	5: ARCARECCI - LAMELLARE	0	90	550	547
Beam 640	Beam2	5: ARCARECCI - LAMELLARE	0	90	551	549
Beam 641	Beam2	5: ARCARECCI - LAMELLARE	0	90	552	550
Beam 642	Beam2	5: ARCARECCI - LAMELLARE	0	90	553	551
Beam 643	Beam2	5: ARCARECCI - LAMELLARE	0	90	548	552
Beam 644	Beam2	5: ARCARECCI - LAMELLARE	0	90	554	553

Beam 645	Beam2	5: ARCARECCI - LAMELLARE	0	90	555	119
Beam 646	Beam2	5: ARCARECCI - LAMELLARE	0	90	557	556
Beam 647	Beam2	5: ARCARECCI - LAMELLARE	0	90	558	555
Beam 648	Beam2	5: ARCARECCI - LAMELLARE	0	90	559	557
Beam 649	Beam2	5: ARCARECCI - LAMELLARE	0	90	560	558
Beam 650	Beam2	5: ARCARECCI - LAMELLARE	0	90	561	559
Beam 651	Beam2	5: ARCARECCI - LAMELLARE	0	90	556	560
Beam 652	Beam2	5: ARCARECCI - LAMELLARE	0	90	562	561
Beam 653	Beam2	5: ARCARECCI - LAMELLARE	0	90	563	124
Beam 654	Beam2	5: ARCARECCI - LAMELLARE	0	90	565	564
Beam 655	Beam2	5: ARCARECCI - LAMELLARE	0	90	566	563
Beam 656	Beam2	5: ARCARECCI - LAMELLARE	0	90	567	565
Beam 657	Beam2	5: ARCARECCI - LAMELLARE	0	90	568	566
Beam 658	Beam2	5: ARCARECCI - LAMELLARE	0	90	569	567
Beam 659	Beam2	5: ARCARECCI - LAMELLARE	0	90	564	568
Beam 660	Beam2	5: ARCARECCI - LAMELLARE	0	90	570	569
Beam 661	Beam2	5: ARCARECCI - LAMELLARE	0	90	571	129
Beam 662	Beam2	5: ARCARECCI - LAMELLARE	0	90	573	572
Beam 663	Beam2	5: ARCARECCI - LAMELLARE	0	90	574	571
Beam 664	Beam2	5: ARCARECCI - LAMELLARE	0	90	575	573
Beam 665	Beam2	5: ARCARECCI - LAMELLARE	0	90	576	574
Beam 666	Beam2	5: ARCARECCI - LAMELLARE	0	90	577	575
Beam 667	Beam2	5: ARCARECCI - LAMELLARE	0	90	572	576
Beam 668	Beam2	5: ARCARECCI - LAMELLARE	0	90	578	577
Beam 669	Beam2	5: ARCARECCI - LAMELLARE	0	90	579	134
Beam 670	Beam2	5: ARCARECCI - LAMELLARE	0	90	581	580
Beam 671	Beam2	5: ARCARECCI - LAMELLARE	0	90	582	579
Beam 672	Beam2	5: ARCARECCI - LAMELLARE	0	90	583	581
Beam 673	Beam2	5: ARCARECCI - LAMELLARE	0	90	584	582
Beam 674	Beam2	5: ARCARECCI - LAMELLARE	0	90	585	583
Beam 675	Beam2	5: ARCARECCI - LAMELLARE	0	90	580	584
Beam 676	Beam2	5: ARCARECCI - LAMELLARE	0	90	586	585
Beam 677	Beam2	5: ARCARECCI - LAMELLARE	0	90	587	139
Beam 678	Beam2	5: ARCARECCI - LAMELLARE	0	90	589	588
Beam 679	Beam2	5: ARCARECCI - LAMELLARE	0	90	590	587
Beam 680	Beam2	5: ARCARECCI - LAMELLARE	0	90	591	589
Beam 681	Beam2	5: ARCARECCI - LAMELLARE	0	90	592	590
Beam 682	Beam2	5: ARCARECCI - LAMELLARE	0	90	593	591
Beam 683	Beam2	5: ARCARECCI - LAMELLARE	0	90	588	592
Beam 684	Beam2	5: ARCARECCI - LAMELLARE	0	90	594	593
Beam 685	Beam2	5: ARCARECCI - LAMELLARE	0	90	595	144
Beam 686	Beam2	5: ARCARECCI - LAMELLARE	0	90	597	596
Beam 687	Beam2	5: ARCARECCI - LAMELLARE	0	90	598	595
Beam 688	Beam2	5: ARCARECCI - LAMELLARE	0	90	599	597
Beam 689	Beam2	5: ARCARECCI - LAMELLARE	0	90	600	598
Beam 690	Beam2	5: ARCARECCI - LAMELLARE	0	90	601	599
Beam 691	Beam2	5: ARCARECCI - LAMELLARE	0	90	596	600
Beam 692	Beam2	5: ARCARECCI - LAMELLARE	0	90	602	601
Beam 693	Beam2	5: ARCARECCI - LAMELLARE	0	90	603	149
Beam 694	Beam2	5: ARCARECCI - LAMELLARE	0	90	605	604

Beam 695	Beam2	5: ARCARECCI - LAMELLARE	0	90	606	603
Beam 696	Beam2	5: ARCARECCI - LAMELLARE	0	90	607	605
Beam 697	Beam2	5: ARCARECCI - LAMELLARE	0	90	608	606
Beam 698	Beam2	5: ARCARECCI - LAMELLARE	0	90	609	607
Beam 699	Beam2	5: ARCARECCI - LAMELLARE	0	90	604	608
Beam 700	Beam2	5: ARCARECCI - LAMELLARE	0	90	610	609
Beam 701	Beam2	5: ARCARECCI - LAMELLARE	0	90	611	154
Beam 702	Beam2	5: ARCARECCI - LAMELLARE	0	90	613	612
Beam 703	Beam2	5: ARCARECCI - LAMELLARE	0	90	614	611
Beam 704	Beam2	5: ARCARECCI - LAMELLARE	0	90	615	613
Beam 705	Beam2	5: ARCARECCI - LAMELLARE	0	90	616	614
Beam 706	Beam2	5: ARCARECCI - LAMELLARE	0	90	617	615
Beam 707	Beam2	5: ARCARECCI - LAMELLARE	0	90	612	616
Beam 708	Beam2	5: ARCARECCI - LAMELLARE	0	90	618	617
Beam 709	Beam2	5: ARCARECCI - LAMELLARE	0	90	619	159
Beam 710	Beam2	5: ARCARECCI - LAMELLARE	0	90	621	620
Beam 711	Beam2	5: ARCARECCI - LAMELLARE	0	90	622	619
Beam 712	Beam2	5: ARCARECCI - LAMELLARE	0	90	623	621
Beam 713	Beam2	5: ARCARECCI - LAMELLARE	0	90	624	622
Beam 714	Beam2	5: ARCARECCI - LAMELLARE	0	90	625	623
Beam 715	Beam2	5: ARCARECCI - LAMELLARE	0	90	620	624
Beam 716	Beam2	5: ARCARECCI - LAMELLARE	0	90	626	625
Beam 717	Beam2	5: ARCARECCI - LAMELLARE	0	90	627	164
Beam 718	Beam2	5: ARCARECCI - LAMELLARE	0	90	629	628
Beam 719	Beam2	5: ARCARECCI - LAMELLARE	0	90	630	627
Beam 720	Beam2	5: ARCARECCI - LAMELLARE	0	90	631	629
Beam 721	Beam2	5: ARCARECCI - LAMELLARE	0	90	632	630
Beam 722	Beam2	5: ARCARECCI - LAMELLARE	0	90	633	631
Beam 723	Beam2	5: ARCARECCI - LAMELLARE	0	90	628	632
Beam 724	Beam2	5: ARCARECCI - LAMELLARE	0	90	634	633
Beam 725	Beam2	5: ARCARECCI - LAMELLARE	0	90	635	169
Beam 726	Beam2	5: ARCARECCI - LAMELLARE	0	90	637	636
Beam 727	Beam2	5: ARCARECCI - LAMELLARE	0	90	638	635
Beam 728	Beam2	5: ARCARECCI - LAMELLARE	0	90	639	637
Beam 729	Beam2	5: ARCARECCI - LAMELLARE	0	90	640	638
Beam 730	Beam2	5: ARCARECCI - LAMELLARE	0	90	641	639
Beam 731	Beam2	5: ARCARECCI - LAMELLARE	0	90	636	640
Beam 732	Beam2	5: ARCARECCI - LAMELLARE	0	90	642	641
Beam 733	Beam2	5: ARCARECCI - LAMELLARE	0	90	643	174
Beam 734	Beam2	5: ARCARECCI - LAMELLARE	0	90	645	644
Beam 735	Beam2	5: ARCARECCI - LAMELLARE	0	90	646	643
Beam 736	Beam2	5: ARCARECCI - LAMELLARE	0	90	647	645
Beam 737	Beam2	5: ARCARECCI - LAMELLARE	0	90	648	646
Beam 738	Beam2	5: ARCARECCI - LAMELLARE	0	90	649	647
Beam 739	Beam2	5: ARCARECCI - LAMELLARE	0	90	644	648
Beam 740	Beam2	5: ARCARECCI - LAMELLARE	0	90	650	649
Beam 741	Beam2	5: ARCARECCI - LAMELLARE	0	90	651	179
Beam 742	Beam2	5: ARCARECCI - LAMELLARE	0	90	653	652
Beam 743	Beam2	5: ARCARECCI - LAMELLARE	0	90	654	651
Beam 744	Beam2	5: ARCARECCI - LAMELLARE	0	90	655	653

Beam 745	Beam2	5: ARCARECCI - LAMELLARE	0	90	656	654
Beam 746	Beam2	5: ARCARECCI - LAMELLARE	0	90	657	655
Beam 747	Beam2	5: ARCARECCI - LAMELLARE	0	90	652	656
Beam 748	Beam2	5: ARCARECCI - LAMELLARE	0	90	658	657
Beam 749	Beam2	5: ARCARECCI - LAMELLARE	0	90	659	184
Beam 750	Beam2	5: ARCARECCI - LAMELLARE	0	90	661	660
Beam 751	Beam2	5: ARCARECCI - LAMELLARE	0	90	662	659
Beam 752	Beam2	5: ARCARECCI - LAMELLARE	0	90	663	661
Beam 753	Beam2	5: ARCARECCI - LAMELLARE	0	90	664	662
Beam 754	Beam2	5: ARCARECCI - LAMELLARE	0	90	665	663
Beam 755	Beam2	5: ARCARECCI - LAMELLARE	0	90	660	664
Beam 756	Beam2	5: ARCARECCI - LAMELLARE	0	90	666	665
Beam 757	Beam2	5: ARCARECCI - LAMELLARE	0	90	667	189
Beam 758	Beam2	5: ARCARECCI - LAMELLARE	0	90	669	668
Beam 759	Beam2	5: ARCARECCI - LAMELLARE	0	90	670	667
Beam 760	Beam2	5: ARCARECCI - LAMELLARE	0	90	671	669
Beam 761	Beam2	5: ARCARECCI - LAMELLARE	0	90	672	670
Beam 762	Beam2	5: ARCARECCI - LAMELLARE	0	90	673	671
Beam 763	Beam2	5: ARCARECCI - LAMELLARE	0	90	668	672
Beam 764	Beam2	5: ARCARECCI - LAMELLARE	0	90	674	673
Beam 765	Beam2	5: ARCARECCI - LAMELLARE	0	90	675	194
Beam 766	Beam2	5: ARCARECCI - LAMELLARE	0	90	677	676
Beam 767	Beam2	5: ARCARECCI - LAMELLARE	0	90	678	675
Beam 768	Beam2	5: ARCARECCI - LAMELLARE	0	90	679	677
Beam 769	Beam2	5: ARCARECCI - LAMELLARE	0	90	680	678
Beam 770	Beam2	5: ARCARECCI - LAMELLARE	0	90	681	679
Beam 771	Beam2	5: ARCARECCI - LAMELLARE	0	90	676	680
Beam 772	Beam2	5: ARCARECCI - LAMELLARE	0	90	682	681
Beam 773	Beam2	5: ARCARECCI - LAMELLARE	0	90	683	199
Beam 774	Beam2	5: ARCARECCI - LAMELLARE	0	90	685	684
Beam 775	Beam2	5: ARCARECCI - LAMELLARE	0	90	686	683
Beam 776	Beam2	5: ARCARECCI - LAMELLARE	0	90	687	685
Beam 777	Beam2	5: ARCARECCI - LAMELLARE	0	90	688	686
Beam 778	Beam2	5: ARCARECCI - LAMELLARE	0	90	689	687
Beam 779	Beam2	5: ARCARECCI - LAMELLARE	0	90	684	688
Beam 780	Beam2	5: ARCARECCI - LAMELLARE	0	90	690	689
Beam 781	Beam2	5: ARCARECCI - LAMELLARE	0	90	691	204
Beam 782	Beam2	5: ARCARECCI - LAMELLARE	0	90	693	692
Beam 783	Beam2	5: ARCARECCI - LAMELLARE	0	90	694	691
Beam 784	Beam2	5: ARCARECCI - LAMELLARE	0	90	695	693
Beam 785	Beam2	5: ARCARECCI - LAMELLARE	0	90	696	694
Beam 786	Beam2	5: ARCARECCI - LAMELLARE	0	90	697	695
Beam 787	Beam2	5: ARCARECCI - LAMELLARE	0	90	692	696
Beam 788	Beam2	5: ARCARECCI - LAMELLARE	0	90	698	697
Beam 789	Beam2	5: ARCARECCI - LAMELLARE	0	90	701	700
Beam 790	Beam2	5: ARCARECCI - LAMELLARE	0	90	702	699
Beam 791	Beam2	5: ARCARECCI - LAMELLARE	0	90	703	701
Beam 792	Beam2	5: ARCARECCI - LAMELLARE	0	90	704	702
Beam 793	Beam2	5: ARCARECCI - LAMELLARE	0	90	705	703
Beam 794	Beam2	5: ARCARECCI - LAMELLARE	0	90	700	704

Beam 795	Beam2	5: ARCARECCI - LAMELLARE	0	90	706	705
Beam 796	Beam2	5: ARCARECCI - LAMELLARE	0	90	707	214
Beam 797	Beam2	5: ARCARECCI - LAMELLARE	0	90	709	708
Beam 798	Beam2	5: ARCARECCI - LAMELLARE	0	90	710	707
Beam 799	Beam2	5: ARCARECCI - LAMELLARE	0	90	711	709
Beam 800	Beam2	5: ARCARECCI - LAMELLARE	0	90	712	710
Beam 801	Beam2	5: ARCARECCI - LAMELLARE	0	90	713	711
Beam 802	Beam2	5: ARCARECCI - LAMELLARE	0	90	708	712
Beam 803	Beam2	5: ARCARECCI - LAMELLARE	0	90	714	713
Beam 804	Beam2	3: PRINCIPALI - ACCIAIO	0	90	716	715
Beam 805	Beam2	3: PRINCIPALI - ACCIAIO	0	90	718	717
Beam 806	Beam2	3: PRINCIPALI - ACCIAIO	0	90	720	719
Beam 807	Beam2	3: PRINCIPALI - ACCIAIO	0	90	722	721
Beam 808	Beam2	4: FICT 1	0	0	595	379
Beam 809	Beam2	4: FICT 1	0	0	597	381
Beam 810	Beam2	4: FICT 1	0	0	707	380
Beam 811	Beam2	4: FICT 1	0	0	709	382
Beam 812	Beam2	4: FICT 1	0	0	598	383
Beam 813	Beam2	4: FICT 1	0	0	599	385
Beam 814	Beam2	4: FICT 1	0	0	710	384
Beam 815	Beam2	4: FICT 1	0	0	711	386
Beam 816	Beam2	4: FICT 1	0	0	600	387
Beam 817	Beam2	4: FICT 1	0	0	601	389
Beam 818	Beam2	4: FICT 1	0	0	712	388
Beam 819	Beam2	4: FICT 1	0	0	713	390
Beam 820	Beam2	4: FICT 1	0	0	596	391
Beam 821	Beam2	4: FICT 1	0	0	602	393
Beam 822	Beam2	4: FICT 1	0	0	708	392
Beam 823	Beam2	4: FICT 1	0	0	714	394
Beam 824	Beam2	4: FICT 1	0	0	619	395
Beam 825	Beam2	4: FICT 1	0	0	621	397
Beam 826	Beam2	4: FICT 1	0	0	547	396
Beam 827	Beam2	4: FICT 1	0	0	549	398
Beam 828	Beam2	4: FICT 1	0	0	622	399
Beam 829	Beam2	4: FICT 1	0	0	623	401
Beam 830	Beam2	4: FICT 1	0	0	550	400
Beam 831	Beam2	4: FICT 1	0	0	551	402
Beam 832	Beam2	4: FICT 1	0	0	624	403
Beam 833	Beam2	4: FICT 1	0	0	625	405
Beam 834	Beam2	4: FICT 1	0	0	552	404
Beam 835	Beam2	4: FICT 1	0	0	553	406
Beam 836	Beam2	4: FICT 1	0	0	620	407
Beam 837	Beam2	4: FICT 1	0	0	626	409
Beam 838	Beam2	4: FICT 1	0	0	548	408
Beam 839	Beam2	4: FICT 1	0	0	554	410
Beam 840	Beam2	4: FICT 1	0	0	643	411
Beam 841	Beam2	4: FICT 1	0	0	645	413
Beam 842	Beam2	4: FICT 1	0	0	555	412
Beam 843	Beam2	4: FICT 1	0	0	557	414
Beam 844	Beam2	4: FICT 1	0	0	646	415

Beam 845	Beam2	4: FICT 1	0	0	647	417
Beam 846	Beam2	4: FICT 1	0	0	558	416
Beam 847	Beam2	4: FICT 1	0	0	559	418
Beam 848	Beam2	4: FICT 1	0	0	648	419
Beam 849	Beam2	4: FICT 1	0	0	649	421
Beam 850	Beam2	4: FICT 1	0	0	560	420
Beam 851	Beam2	4: FICT 1	0	0	561	422
Beam 852	Beam2	4: FICT 1	0	0	644	423
Beam 853	Beam2	4: FICT 1	0	0	650	425
Beam 854	Beam2	4: FICT 1	0	0	556	424
Beam 855	Beam2	4: FICT 1	0	0	562	426
Beam 856	Beam2	4: FICT 1	0	0	667	427
Beam 857	Beam2	4: FICT 1	0	0	669	429
Beam 858	Beam2	4: FICT 1	0	0	563	428
Beam 859	Beam2	4: FICT 1	0	0	565	430
Beam 860	Beam2	4: FICT 1	0	0	670	431
Beam 861	Beam2	4: FICT 1	0	0	671	433
Beam 862	Beam2	4: FICT 1	0	0	566	432
Beam 863	Beam2	4: FICT 1	0	0	567	434
Beam 864	Beam2	4: FICT 1	0	0	672	435
Beam 865	Beam2	4: FICT 1	0	0	673	437
Beam 866	Beam2	4: FICT 1	0	0	568	436
Beam 867	Beam2	4: FICT 1	0	0	569	438
Beam 868	Beam2	4: FICT 1	0	0	668	439
Beam 869	Beam2	4: FICT 1	0	0	674	441
Beam 870	Beam2	4: FICT 1	0	0	564	440
Beam 871	Beam2	4: FICT 1	0	0	570	442
Beam 872	Beam2	4: FICT 1	0	0	691	443
Beam 873	Beam2	4: FICT 1	0	0	693	445
Beam 874	Beam2	4: FICT 1	0	0	571	444
Beam 875	Beam2	4: FICT 1	0	0	573	446
Beam 876	Beam2	4: FICT 1	0	0	694	447
Beam 877	Beam2	4: FICT 1	0	0	695	449
Beam 878	Beam2	4: FICT 1	0	0	574	448
Beam 879	Beam2	4: FICT 1	0	0	575	450
Beam 880	Beam2	4: FICT 1	0	0	696	451
Beam 881	Beam2	4: FICT 1	0	0	697	453
Beam 882	Beam2	4: FICT 1	0	0	576	452
Beam 883	Beam2	4: FICT 1	0	0	577	454
Beam 884	Beam2	4: FICT 1	0	0	692	455
Beam 885	Beam2	4: FICT 1	0	0	698	457
Beam 886	Beam2	4: FICT 1	0	0	572	456
Beam 887	Beam2	4: FICT 1	0	0	578	458
Beam 888	Beam2	4: FICT 1	0	0	579	459
Beam 889	Beam2	4: FICT 1	0	0	581	460
Beam 890	Beam2	4: FICT 1	0	0	587	461
Beam 891	Beam2	4: FICT 1	0	0	589	462
Beam 892	Beam2	4: FICT 1	0	0	582	463
Beam 893	Beam2	4: FICT 1	0	0	583	464
Beam 894	Beam2	4: FICT 1	0	0	590	465

Beam 895	Beam2	4: FICT 1	0	0	591	466
Beam 896	Beam2	4: FICT 1	0	0	584	467
Beam 897	Beam2	4: FICT 1	0	0	585	468
Beam 898	Beam2	4: FICT 1	0	0	592	469
Beam 899	Beam2	4: FICT 1	0	0	593	470
Beam 900	Beam2	4: FICT 1	0	0	580	471
Beam 901	Beam2	4: FICT 1	0	0	586	472
Beam 902	Beam2	4: FICT 1	0	0	588	473
Beam 903	Beam2	4: FICT 1	0	0	594	474
Beam 904	Beam2	4: FICT 1	0	0	603	475
Beam 905	Beam2	4: FICT 1	0	0	605	476
Beam 906	Beam2	4: FICT 1	0	0	611	477
Beam 907	Beam2	4: FICT 1	0	0	613	478
Beam 908	Beam2	4: FICT 1	0	0	606	479
Beam 909	Beam2	4: FICT 1	0	0	607	480
Beam 910	Beam2	4: FICT 1	0	0	614	481
Beam 911	Beam2	4: FICT 1	0	0	615	482
Beam 912	Beam2	4: FICT 1	0	0	608	483
Beam 913	Beam2	4: FICT 1	0	0	609	484
Beam 914	Beam2	4: FICT 1	0	0	616	485
Beam 915	Beam2	4: FICT 1	0	0	617	486
Beam 916	Beam2	4: FICT 1	0	0	604	487
Beam 917	Beam2	4: FICT 1	0	0	610	488
Beam 918	Beam2	4: FICT 1	0	0	612	489
Beam 919	Beam2	4: FICT 1	0	0	618	490
Beam 920	Beam2	4: FICT 1	0	0	627	491
Beam 921	Beam2	4: FICT 1	0	0	629	492
Beam 922	Beam2	4: FICT 1	0	0	635	493
Beam 923	Beam2	4: FICT 1	0	0	637	494
Beam 924	Beam2	4: FICT 1	0	0	630	495
Beam 925	Beam2	4: FICT 1	0	0	631	496
Beam 926	Beam2	4: FICT 1	0	0	638	497
Beam 927	Beam2	4: FICT 1	0	0	639	498
Beam 928	Beam2	4: FICT 1	0	0	632	499
Beam 929	Beam2	4: FICT 1	0	0	633	500
Beam 930	Beam2	4: FICT 1	0	0	640	501
Beam 931	Beam2	4: FICT 1	0	0	641	502
Beam 932	Beam2	4: FICT 1	0	0	628	503
Beam 933	Beam2	4: FICT 1	0	0	634	504
Beam 934	Beam2	4: FICT 1	0	0	636	505
Beam 935	Beam2	4: FICT 1	0	0	642	506
Beam 936	Beam2	4: FICT 1	0	0	651	507
Beam 937	Beam2	4: FICT 1	0	0	653	508
Beam 938	Beam2	4: FICT 1	0	0	659	509
Beam 939	Beam2	4: FICT 1	0	0	661	510
Beam 940	Beam2	4: FICT 1	0	0	654	511
Beam 941	Beam2	4: FICT 1	0	0	655	512
Beam 942	Beam2	4: FICT 1	0	0	662	513
Beam 943	Beam2	4: FICT 1	0	0	663	514
Beam 944	Beam2	4: FICT 1	0	0	656	515

Beam 945	Beam2	4: FICT 1	0	0	657	516
Beam 946	Beam2	4: FICT 1	0	0	664	517
Beam 947	Beam2	4: FICT 1	0	0	665	518
Beam 948	Beam2	4: FICT 1	0	0	652	519
Beam 949	Beam2	4: FICT 1	0	0	658	520
Beam 950	Beam2	4: FICT 1	0	0	660	521
Beam 951	Beam2	4: FICT 1	0	0	666	522
Beam 952	Beam2	4: FICT 1	0	0	699	523
Beam 953	Beam2	4: FICT 1	0	0	701	525
Beam 954	Beam2	4: FICT 1	0	0	675	524
Beam 955	Beam2	4: FICT 1	0	0	677	526
Beam 956	Beam2	4: FICT 1	0	0	683	527
Beam 957	Beam2	4: FICT 1	0	0	685	528
Beam 958	Beam2	4: FICT 1	0	0	702	529
Beam 959	Beam2	4: FICT 1	0	0	703	531
Beam 960	Beam2	4: FICT 1	0	0	678	530
Beam 961	Beam2	4: FICT 1	0	0	679	532
Beam 962	Beam2	4: FICT 1	0	0	686	533
Beam 963	Beam2	4: FICT 1	0	0	687	534
Beam 964	Beam2	4: FICT 1	0	0	704	535
Beam 965	Beam2	4: FICT 1	0	0	705	537
Beam 966	Beam2	4: FICT 1	0	0	680	536
Beam 967	Beam2	4: FICT 1	0	0	681	538
Beam 968	Beam2	4: FICT 1	0	0	688	539
Beam 969	Beam2	4: FICT 1	0	0	689	540
Beam 970	Beam2	4: FICT 1	0	0	700	541
Beam 971	Beam2	4: FICT 1	0	0	706	543
Beam 972	Beam2	4: FICT 1	0	0	676	542
Beam 973	Beam2	4: FICT 1	0	0	682	544
Beam 974	Beam2	4: FICT 1	0	0	684	545
Beam 975	Beam2	4: FICT 1	0	0	690	546
Beam 976	Beam2	6: FICT 2	0	0	724	723
Beam 977	Beam2	6: FICT 2	0	0	726	725
Beam 978	Beam2	6: FICT 2	0	0	728	727
Beam 979	Beam2	6: FICT 2	0	0	730	729
Beam 980	Beam2	6: FICT 2	0	0	731	723
Beam 981	Beam2	6: FICT 2	0	0	732	725
Beam 982	Beam2	6: FICT 2	0	0	733	727
Beam 983	Beam2	6: FICT 2	0	0	734	729
Beam 984	Beam2	4: FICT 1	0	0	735	380
Beam 985	Beam2	4: FICT 1	0	0	736	382
Beam 986	Beam2	4: FICT 1	0	0	737	384
Beam 987	Beam2	4: FICT 1	0	0	738	386
Beam 988	Beam2	4: FICT 1	0	0	739	388
Beam 989	Beam2	4: FICT 1	0	0	740	390
Beam 990	Beam2	4: FICT 1	0	0	733	392
Beam 991	Beam2	4: FICT 1	0	0	734	394
Beam 992	Beam2	4: FICT 1	0	0	741	523
Beam 993	Beam2	4: FICT 1	0	0	742	525
Beam 994	Beam2	4: FICT 1	0	0	743	529

Beam 995	Beam2	4: FICT 1	0	0	744	531
Beam 996	Beam2	4: FICT 1	0	0	745	535
Beam 997	Beam2	4: FICT 1	0	0	746	537
Beam 998	Beam2	4: FICT 1	0	0	731	541
Beam 999	Beam2	4: FICT 1	0	0	732	543
Beam 1000	Beam2	6: FICT 2	0	0	745	747
Beam 1001	Beam2	6: FICT 2	0	0	746	748
Beam 1002	Beam2	6: FICT 2	0	0	743	749
Beam 1003	Beam2	6: FICT 2	0	0	744	750
Beam 1004	Beam2	6: FICT 2	0	0	741	716
Beam 1005	Beam2	6: FICT 2	0	0	742	718
Beam 1006	Beam2	6: FICT 2	0	0	739	751
Beam 1007	Beam2	6: FICT 2	0	0	740	752
Beam 1008	Beam2	6: FICT 2	0	0	737	753
Beam 1009	Beam2	6: FICT 2	0	0	738	754
Beam 1010	Beam2	6: FICT 2	0	0	735	720
Beam 1011	Beam2	6: FICT 2	0	0	736	722
Beam 1012	Beam2	27: traversi rinforzati	0	90	723	755
Beam 1013	Beam2	3: PRINCIPALI - ACCIAIO	0	90	725	756
Beam 1014	Beam2	3: PRINCIPALI - ACCIAIO	0	90	747	757
Beam 1015	Beam2	3: PRINCIPALI - ACCIAIO	0	90	748	758
Beam 1016	Beam2	3: PRINCIPALI - ACCIAIO	0	90	749	759
Beam 1017	Beam2	3: PRINCIPALI - ACCIAIO	0	90	750	760
Beam 1018	Beam2	27: traversi rinforzati	0	90	727	761
Beam 1019	Beam2	3: PRINCIPALI - ACCIAIO	0	90	729	762
Beam 1020	Beam2	3: PRINCIPALI - ACCIAIO	0	90	751	763
Beam 1021	Beam2	3: PRINCIPALI - ACCIAIO	0	90	752	764
Beam 1022	Beam2	3: PRINCIPALI - ACCIAIO	0	90	753	765
Beam 1023	Beam2	3: PRINCIPALI - ACCIAIO	0	90	754	766
Beam 1024	Beam2	8: CONTROVENTI	0	0	563	214
Beam 1025	Beam2	8: CONTROVENTI	0	0	565	708
Beam 1026	Beam2	8: CONTROVENTI	0	0	119	563
Beam 1027	Beam2	8: CONTROVENTI	0	0	556	565
Beam 1028	Beam2	8: CONTROVENTI	0	0	571	119
Beam 1029	Beam2	8: CONTROVENTI	0	0	573	556
Beam 1030	Beam2	8: CONTROVENTI	0	0	209	571
Beam 1031	Beam2	8: CONTROVENTI	0	0	700	573
Beam 1032	Beam2	8: CONTROVENTI	0	0	547	214
Beam 1033	Beam2	8: CONTROVENTI	0	0	549	708
Beam 1034	Beam2	8: CONTROVENTI	0	0	569	714
Beam 1035	Beam2	8: CONTROVENTI	0	0	562	569
Beam 1036	Beam2	8: CONTROVENTI	0	0	577	562
Beam 1037	Beam2	8: CONTROVENTI	0	0	706	577
Beam 1038	Beam2	8: CONTROVENTI	0	0	553	714
Beam 1039	Beam2	16: MONTANTI FACCIATA	0	0	768	767
Beam 1040	Beam2	16: MONTANTI FACCIATA	0	0	770	769
Beam 1041	Beam2	16: MONTANTI FACCIATA	0	0	772	771
Beam 1042	Beam2	16: MONTANTI FACCIATA	0	0	774	773
Beam 1043	Beam2	16: MONTANTI FACCIATA	0	0	776	775
Beam 1044	Beam2	16: MONTANTI FACCIATA	0	0	778	777

Beam 1045	Beam2	16: MONTANTI FACCIATA	0	0	780	779
Beam 1046	Beam2	16: MONTANTI FACCIATA	0	0	782	781
Beam 1047	Beam2	18: PUNTONI FACCIATA	0	0	720	768
Beam 1048	Beam2	18: PUNTONI FACCIATA	0	0	722	770
Beam 1049	Beam2	18: PUNTONI FACCIATA	0	0	753	772
Beam 1050	Beam2	18: PUNTONI FACCIATA	0	0	754	774
Beam 1051	Beam2	18: PUNTONI FACCIATA	0	0	751	776
Beam 1052	Beam2	18: PUNTONI FACCIATA	0	0	752	778
Beam 1053	Beam2	18: PUNTONI FACCIATA	0	0	727	780
Beam 1054	Beam2	18: PUNTONI FACCIATA	0	0	729	782
Beam 1055	Beam2	19: TRAVERSI FACCIATA	0	0	266	768
Beam 1056	Beam2	19: TRAVERSI FACCIATA	0	0	780	770
Beam 1057	Beam2	19: TRAVERSI FACCIATA	0	0	768	772
Beam 1058	Beam2	19: TRAVERSI FACCIATA	0	0	770	774
Beam 1059	Beam2	19: TRAVERSI FACCIATA	0	0	772	776
Beam 1060	Beam2	19: TRAVERSI FACCIATA	0	0	774	778
Beam 1061	Beam2	19: TRAVERSI FACCIATA	0	0	776	780
Beam 1062	Beam2	19: TRAVERSI FACCIATA	0	0	778	782
Beam 1063	Beam2	17: CONTROVENTI FACCIATA	0	0	772	775
Beam 1064	Beam2	17: CONTROVENTI FACCIATA	0	0	774	777
Beam 1065	Beam2	17: CONTROVENTI FACCIATA	0	0	776	771
Beam 1066	Beam2	17: CONTROVENTI FACCIATA	0	0	778	773
Beam 1067	Beam2	17: CONTROVENTI FACCIATA	0	0	768	771
Beam 1068	Beam2	17: CONTROVENTI FACCIATA	0	0	770	773
Beam 1069	Beam2	17: CONTROVENTI FACCIATA	0	0	772	767
Beam 1070	Beam2	17: CONTROVENTI FACCIATA	0	0	774	769
Beam 1071	Beam2	27: traversi rinforzati	0	90	715	221
Beam 1072	Beam2	27: traversi rinforzati	0	90	717	723
Beam 1073	Beam2	27: traversi rinforzati	0	90	719	225
Beam 1074	Beam2	27: traversi rinforzati	0	90	721	727
Beam 1075	Beam2	3: PRINCIPALI - ACCIAIO	0	90	755	747
Beam 1076	Beam2	3: PRINCIPALI - ACCIAIO	0	90	756	748
Beam 1077	Beam2	3: PRINCIPALI - ACCIAIO	0	90	757	749
Beam 1078	Beam2	3: PRINCIPALI - ACCIAIO	0	90	758	750
Beam 1079	Beam2	3: PRINCIPALI - ACCIAIO	0	90	759	716
Beam 1080	Beam2	3: PRINCIPALI - ACCIAIO	0	90	760	718
Beam 1081	Beam2	3: PRINCIPALI - ACCIAIO	0	90	761	751
Beam 1082	Beam2	3: PRINCIPALI - ACCIAIO	0	90	762	752
Beam 1083	Beam2	3: PRINCIPALI - ACCIAIO	0	90	763	753
Beam 1084	Beam2	3: PRINCIPALI - ACCIAIO	0	90	764	754
Beam 1085	Beam2	3: PRINCIPALI - ACCIAIO	0	90	765	720
Beam 1086	Beam2	3: PRINCIPALI - ACCIAIO	0	90	766	722
Beam 1087	Beam2	21: FICT 3	0	0	595	783
Beam 1088	Beam2	21: FICT 3	0	0	597	784
Beam 1089	Beam2	21: FICT 3	0	0	707	785
Beam 1090	Beam2	21: FICT 3	0	0	709	786
Beam 1091	Beam2	21: FICT 3	0	0	619	787
Beam 1092	Beam2	21: FICT 3	0	0	621	788
Beam 1093	Beam2	21: FICT 3	0	0	547	789
Beam 1094	Beam2	21: FICT 3	0	0	549	790

Beam 1095	Beam2	21: FICT 3	0	0	643	791
Beam 1096	Beam2	21: FICT 3	0	0	645	792
Beam 1097	Beam2	21: FICT 3	0	0	555	793
Beam 1098	Beam2	21: FICT 3	0	0	557	794
Beam 1099	Beam2	21: FICT 3	0	0	667	795
Beam 1100	Beam2	21: FICT 3	0	0	669	796
Beam 1101	Beam2	21: FICT 3	0	0	563	797
Beam 1102	Beam2	21: FICT 3	0	0	565	798
Beam 1103	Beam2	21: FICT 3	0	0	691	799
Beam 1104	Beam2	21: FICT 3	0	0	693	800
Beam 1105	Beam2	21: FICT 3	0	0	571	801
Beam 1106	Beam2	21: FICT 3	0	0	573	802
Beam 1107	Beam2	21: FICT 3	0	0	598	803
Beam 1108	Beam2	21: FICT 3	0	0	599	804
Beam 1109	Beam2	21: FICT 3	0	0	710	805
Beam 1110	Beam2	21: FICT 3	0	0	711	806
Beam 1111	Beam2	21: FICT 3	0	0	600	807
Beam 1112	Beam2	21: FICT 3	0	0	601	808
Beam 1113	Beam2	21: FICT 3	0	0	712	809
Beam 1114	Beam2	21: FICT 3	0	0	713	810
Beam 1115	Beam2	21: FICT 3	0	0	596	811
Beam 1116	Beam2	21: FICT 3	0	0	602	812
Beam 1117	Beam2	21: FICT 3	0	0	708	813
Beam 1118	Beam2	21: FICT 3	0	0	714	814
Beam 1119	Beam2	21: FICT 3	0	0	622	815
Beam 1120	Beam2	21: FICT 3	0	0	623	816
Beam 1121	Beam2	21: FICT 3	0	0	550	817
Beam 1122	Beam2	21: FICT 3	0	0	551	818
Beam 1123	Beam2	21: FICT 3	0	0	624	819
Beam 1124	Beam2	21: FICT 3	0	0	625	820
Beam 1125	Beam2	21: FICT 3	0	0	552	821
Beam 1126	Beam2	21: FICT 3	0	0	553	822
Beam 1127	Beam2	21: FICT 3	0	0	620	823
Beam 1128	Beam2	21: FICT 3	0	0	626	824
Beam 1129	Beam2	21: FICT 3	0	0	548	825
Beam 1130	Beam2	21: FICT 3	0	0	554	826
Beam 1131	Beam2	21: FICT 3	0	0	646	827
Beam 1132	Beam2	21: FICT 3	0	0	647	828
Beam 1133	Beam2	21: FICT 3	0	0	558	829
Beam 1134	Beam2	21: FICT 3	0	0	559	830
Beam 1135	Beam2	21: FICT 3	0	0	648	831
Beam 1136	Beam2	21: FICT 3	0	0	649	832
Beam 1137	Beam2	21: FICT 3	0	0	560	833
Beam 1138	Beam2	21: FICT 3	0	0	561	834
Beam 1139	Beam2	21: FICT 3	0	0	644	835
Beam 1140	Beam2	21: FICT 3	0	0	650	836
Beam 1141	Beam2	21: FICT 3	0	0	556	837
Beam 1142	Beam2	21: FICT 3	0	0	562	838
Beam 1143	Beam2	21: FICT 3	0	0	670	839
Beam 1144	Beam2	21: FICT 3	0	0	671	840

Beam 1145	Beam2	21: FICT 3	0	0	566	841
Beam 1146	Beam2	21: FICT 3	0	0	567	842
Beam 1147	Beam2	21: FICT 3	0	0	672	843
Beam 1148	Beam2	21: FICT 3	0	0	673	844
Beam 1149	Beam2	21: FICT 3	0	0	568	845
Beam 1150	Beam2	21: FICT 3	0	0	569	846
Beam 1151	Beam2	21: FICT 3	0	0	668	847
Beam 1152	Beam2	21: FICT 3	0	0	674	848
Beam 1153	Beam2	21: FICT 3	0	0	564	849
Beam 1154	Beam2	21: FICT 3	0	0	570	850
Beam 1155	Beam2	21: FICT 3	0	0	694	851
Beam 1156	Beam2	21: FICT 3	0	0	695	852
Beam 1157	Beam2	21: FICT 3	0	0	574	853
Beam 1158	Beam2	21: FICT 3	0	0	575	854
Beam 1159	Beam2	21: FICT 3	0	0	696	855
Beam 1160	Beam2	21: FICT 3	0	0	697	856
Beam 1161	Beam2	21: FICT 3	0	0	576	857
Beam 1162	Beam2	21: FICT 3	0	0	577	858
Beam 1163	Beam2	21: FICT 3	0	0	692	859
Beam 1164	Beam2	21: FICT 3	0	0	698	860
Beam 1165	Beam2	21: FICT 3	0	0	572	861
Beam 1166	Beam2	21: FICT 3	0	0	578	862
Beam 1167	Beam2	21: FICT 3	0	0	579	863
Beam 1168	Beam2	21: FICT 3	0	0	581	864
Beam 1169	Beam2	21: FICT 3	0	0	587	865
Beam 1170	Beam2	21: FICT 3	0	0	589	866
Beam 1171	Beam2	21: FICT 3	0	0	603	867
Beam 1172	Beam2	21: FICT 3	0	0	605	868
Beam 1173	Beam2	21: FICT 3	0	0	611	869
Beam 1174	Beam2	21: FICT 3	0	0	613	870
Beam 1175	Beam2	21: FICT 3	0	0	627	871
Beam 1176	Beam2	21: FICT 3	0	0	629	872
Beam 1177	Beam2	21: FICT 3	0	0	635	873
Beam 1178	Beam2	21: FICT 3	0	0	637	874
Beam 1179	Beam2	21: FICT 3	0	0	651	875
Beam 1180	Beam2	21: FICT 3	0	0	653	876
Beam 1181	Beam2	21: FICT 3	0	0	659	877
Beam 1182	Beam2	21: FICT 3	0	0	661	878
Beam 1183	Beam2	21: FICT 3	0	0	699	879
Beam 1184	Beam2	21: FICT 3	0	0	701	880
Beam 1185	Beam2	21: FICT 3	0	0	675	881
Beam 1186	Beam2	21: FICT 3	0	0	677	882
Beam 1187	Beam2	21: FICT 3	0	0	683	883
Beam 1188	Beam2	21: FICT 3	0	0	685	884
Beam 1189	Beam2	21: FICT 3	0	0	582	885
Beam 1190	Beam2	21: FICT 3	0	0	583	886
Beam 1191	Beam2	21: FICT 3	0	0	590	887
Beam 1192	Beam2	21: FICT 3	0	0	591	888
Beam 1193	Beam2	21: FICT 3	0	0	584	889
Beam 1194	Beam2	21: FICT 3	0	0	585	890

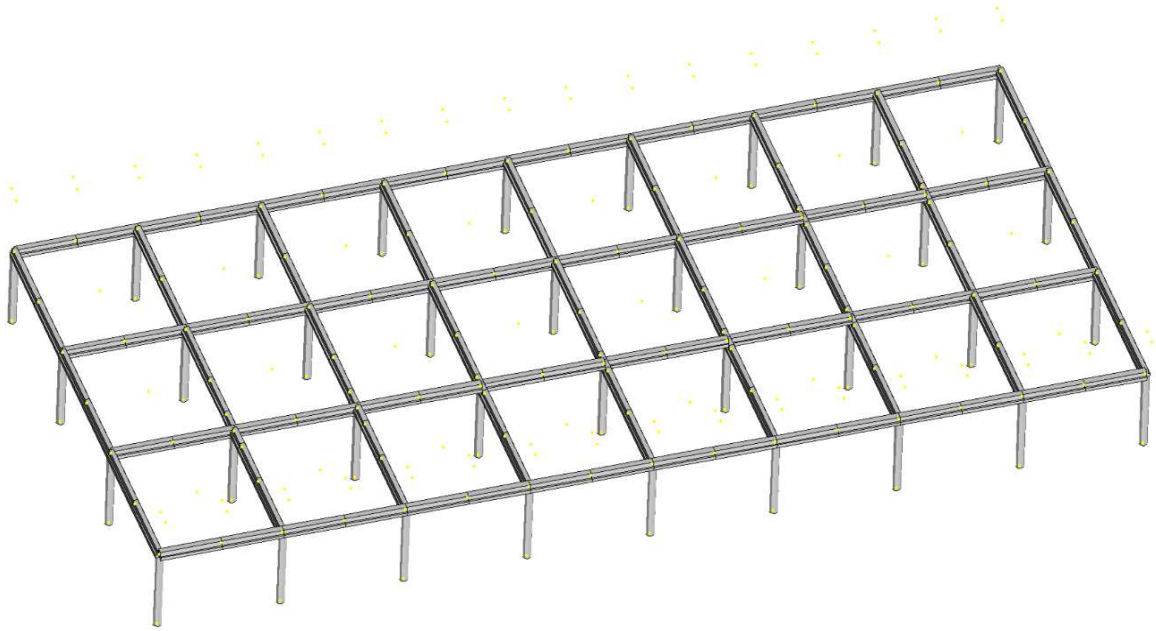
Beam 1195	Beam2	21: FICT 3	0	0	592	891
Beam 1196	Beam2	21: FICT 3	0	0	593	892
Beam 1197	Beam2	21: FICT 3	0	0	580	893
Beam 1198	Beam2	21: FICT 3	0	0	586	894
Beam 1199	Beam2	21: FICT 3	0	0	588	895
Beam 1200	Beam2	21: FICT 3	0	0	594	896
Beam 1201	Beam2	21: FICT 3	0	0	606	897
Beam 1202	Beam2	21: FICT 3	0	0	607	898
Beam 1203	Beam2	21: FICT 3	0	0	614	899
Beam 1204	Beam2	21: FICT 3	0	0	615	900
Beam 1205	Beam2	21: FICT 3	0	0	608	901
Beam 1206	Beam2	21: FICT 3	0	0	609	902
Beam 1207	Beam2	21: FICT 3	0	0	616	903
Beam 1208	Beam2	21: FICT 3	0	0	617	904
Beam 1209	Beam2	21: FICT 3	0	0	604	905
Beam 1210	Beam2	21: FICT 3	0	0	610	906
Beam 1211	Beam2	21: FICT 3	0	0	612	907
Beam 1212	Beam2	21: FICT 3	0	0	618	908
Beam 1213	Beam2	21: FICT 3	0	0	630	909
Beam 1214	Beam2	21: FICT 3	0	0	631	910
Beam 1215	Beam2	21: FICT 3	0	0	638	911
Beam 1216	Beam2	21: FICT 3	0	0	639	912
Beam 1217	Beam2	21: FICT 3	0	0	632	913
Beam 1218	Beam2	21: FICT 3	0	0	633	914
Beam 1219	Beam2	21: FICT 3	0	0	640	915
Beam 1220	Beam2	21: FICT 3	0	0	641	916
Beam 1221	Beam2	21: FICT 3	0	0	628	917
Beam 1222	Beam2	21: FICT 3	0	0	634	918
Beam 1223	Beam2	21: FICT 3	0	0	636	919
Beam 1224	Beam2	21: FICT 3	0	0	642	920
Beam 1225	Beam2	21: FICT 3	0	0	654	921
Beam 1226	Beam2	21: FICT 3	0	0	655	922
Beam 1227	Beam2	21: FICT 3	0	0	662	923
Beam 1228	Beam2	21: FICT 3	0	0	663	924
Beam 1229	Beam2	21: FICT 3	0	0	656	925
Beam 1230	Beam2	21: FICT 3	0	0	657	926
Beam 1231	Beam2	21: FICT 3	0	0	664	927
Beam 1232	Beam2	21: FICT 3	0	0	665	928
Beam 1233	Beam2	21: FICT 3	0	0	652	929
Beam 1234	Beam2	21: FICT 3	0	0	658	930
Beam 1235	Beam2	21: FICT 3	0	0	660	931
Beam 1236	Beam2	21: FICT 3	0	0	666	932
Beam 1237	Beam2	21: FICT 3	0	0	702	933
Beam 1238	Beam2	21: FICT 3	0	0	703	934
Beam 1239	Beam2	21: FICT 3	0	0	678	935
Beam 1240	Beam2	21: FICT 3	0	0	679	936
Beam 1241	Beam2	21: FICT 3	0	0	686	937
Beam 1242	Beam2	21: FICT 3	0	0	687	938
Beam 1243	Beam2	21: FICT 3	0	0	704	939
Beam 1244	Beam2	21: FICT 3	0	0	705	940

Beam 1245	Beam2	21: FICT 3	0	0	680	941
Beam 1246	Beam2	21: FICT 3	0	0	681	942
Beam 1247	Beam2	21: FICT 3	0	0	688	943
Beam 1248	Beam2	21: FICT 3	0	0	689	944
Beam 1249	Beam2	21: FICT 3	0	0	700	945
Beam 1250	Beam2	21: FICT 3	0	0	706	946
Beam 1251	Beam2	21: FICT 3	0	0	676	947
Beam 1252	Beam2	21: FICT 3	0	0	682	948
Beam 1253	Beam2	21: FICT 3	0	0	684	949
Beam 1254	Beam2	21: FICT 3	0	0	690	950
Beam 1255	Beam2	16: MONTANTI FACCIATA	0	0	952	951
Beam 1256	Beam2	16: MONTANTI FACCIATA	0	0	954	953
Beam 1257	Beam2	16: MONTANTI FACCIATA	0	0	956	955
Beam 1258	Beam2	16: MONTANTI FACCIATA	0	0	958	957
Beam 1259	Beam2	16: MONTANTI FACCIATA	0	0	960	959
Beam 1260	Beam2	16: MONTANTI FACCIATA	0	0	962	961
Beam 1261	Beam2	16: MONTANTI FACCIATA	0	0	964	963
Beam 1262	Beam2	16: MONTANTI FACCIATA	0	0	966	965
Beam 1263	Beam2	18: PUNTONI FACCIATA	0	0	952	716
Beam 1264	Beam2	18: PUNTONI FACCIATA	0	0	954	718
Beam 1265	Beam2	18: PUNTONI FACCIATA	0	0	956	749
Beam 1266	Beam2	18: PUNTONI FACCIATA	0	0	958	750
Beam 1267	Beam2	18: PUNTONI FACCIATA	0	0	960	747
Beam 1268	Beam2	18: PUNTONI FACCIATA	0	0	962	748
Beam 1269	Beam2	18: PUNTONI FACCIATA	0	0	964	723
Beam 1270	Beam2	18: PUNTONI FACCIATA	0	0	966	725
Beam 1271	Beam2	17: CONTROVENTI FACCIATA	0	0	960	955
Beam 1272	Beam2	17: CONTROVENTI FACCIATA	0	0	962	957
Beam 1273	Beam2	17: CONTROVENTI FACCIATA	0	0	956	959
Beam 1274	Beam2	17: CONTROVENTI FACCIATA	0	0	958	961
Beam 1275	Beam2	17: CONTROVENTI FACCIATA	0	0	956	951
Beam 1276	Beam2	17: CONTROVENTI FACCIATA	0	0	958	953
Beam 1277	Beam2	17: CONTROVENTI FACCIATA	0	0	952	955
Beam 1278	Beam2	17: CONTROVENTI FACCIATA	0	0	954	957
Beam 1279	Beam2	19: TRAVERSI FACCIATA	0	0	954	964
Beam 1280	Beam2	19: TRAVERSI FACCIATA	0	0	956	952
Beam 1281	Beam2	19: TRAVERSI FACCIATA	0	0	958	954
Beam 1282	Beam2	19: TRAVERSI FACCIATA	0	0	960	956
Beam 1283	Beam2	19: TRAVERSI FACCIATA	0	0	962	958
Beam 1284	Beam2	19: TRAVERSI FACCIATA	0	0	964	960
Beam 1285	Beam2	19: TRAVERSI FACCIATA	0	0	966	962
Beam 1286	Beam2	2: PRINCIPALI - LAMELLARE	0	90	968	967
Beam 1287	Beam2	2: PRINCIPALI - LAMELLARE	0	90	970	969
Beam 1288	Beam2	2: PRINCIPALI - LAMELLARE	0	90	971	968
Beam 1289	Beam2	2: PRINCIPALI - LAMELLARE	0	90	972	970
Beam 1290	Beam2	2: PRINCIPALI - LAMELLARE	0	90	523	971
Beam 1291	Beam2	2: PRINCIPALI - LAMELLARE	0	90	525	972
Beam 1292	Beam2	2: PRINCIPALI - LAMELLARE	0	90	974	973
Beam 1293	Beam2	2: PRINCIPALI - LAMELLARE	0	90	976	975
Beam 1294	Beam2	2: PRINCIPALI - LAMELLARE	0	90	977	974

Beam 1295	Beam2	2: PRINCIPALI - LAMELLARE	0	90	978	976
Beam 1296	Beam2	2: PRINCIPALI - LAMELLARE	0	90	529	977
Beam 1297	Beam2	2: PRINCIPALI - LAMELLARE	0	90	531	978
Beam 1298	Beam2	2: PRINCIPALI - LAMELLARE	0	90	980	979
Beam 1299	Beam2	2: PRINCIPALI - LAMELLARE	0	90	982	981
Beam 1300	Beam2	2: PRINCIPALI - LAMELLARE	0	90	983	980
Beam 1301	Beam2	2: PRINCIPALI - LAMELLARE	0	90	984	982
Beam 1302	Beam2	2: PRINCIPALI - LAMELLARE	0	90	535	983
Beam 1303	Beam2	2: PRINCIPALI - LAMELLARE	0	90	537	984
Beam 1304	Beam2	2: PRINCIPALI - LAMELLARE	0	90	986	985
Beam 1305	Beam2	2: PRINCIPALI - LAMELLARE	0	90	988	987
Beam 1306	Beam2	2: PRINCIPALI - LAMELLARE	0	90	989	986
Beam 1307	Beam2	2: PRINCIPALI - LAMELLARE	0	90	990	988
Beam 1308	Beam2	2: PRINCIPALI - LAMELLARE	0	90	541	989
Beam 1309	Beam2	2: PRINCIPALI - LAMELLARE	0	90	543	990
Beam 1310	Beam2	5: ARCARECCI - LAMELLARE	0	90	993	992
Beam 1311	Beam2	5: ARCARECCI - LAMELLARE	0	90	994	991
Beam 1312	Beam2	5: ARCARECCI - LAMELLARE	0	90	995	993
Beam 1313	Beam2	5: ARCARECCI - LAMELLARE	0	90	996	994
Beam 1314	Beam2	5: ARCARECCI - LAMELLARE	0	90	997	995
Beam 1315	Beam2	5: ARCARECCI - LAMELLARE	0	90	992	996
Beam 1316	Beam2	5: ARCARECCI - LAMELLARE	0	90	998	997
Beam 1317	Beam2	5: ARCARECCI - LAMELLARE	0	90	1001	1000
Beam 1318	Beam2	5: ARCARECCI - LAMELLARE	0	90	1002	999
Beam 1319	Beam2	5: ARCARECCI - LAMELLARE	0	90	1003	1001
Beam 1320	Beam2	5: ARCARECCI - LAMELLARE	0	90	1004	1002
Beam 1321	Beam2	5: ARCARECCI - LAMELLARE	0	90	1005	1003
Beam 1322	Beam2	5: ARCARECCI - LAMELLARE	0	90	1000	1004
Beam 1323	Beam2	5: ARCARECCI - LAMELLARE	0	90	1006	1005
Beam 1324	Beam2	5: ARCARECCI - LAMELLARE	0	90	1009	1008
Beam 1325	Beam2	5: ARCARECCI - LAMELLARE	0	90	1010	1007
Beam 1326	Beam2	5: ARCARECCI - LAMELLARE	0	90	1011	1009
Beam 1327	Beam2	5: ARCARECCI - LAMELLARE	0	90	1012	1010
Beam 1328	Beam2	5: ARCARECCI - LAMELLARE	0	90	1013	1011
Beam 1329	Beam2	5: ARCARECCI - LAMELLARE	0	90	1008	1012
Beam 1330	Beam2	5: ARCARECCI - LAMELLARE	0	90	1014	1013
Beam 1331	Beam2	4: FICT 1	0	0	1007	967
Beam 1332	Beam2	4: FICT 1	0	0	1009	969
Beam 1333	Beam2	4: FICT 1	0	0	991	968
Beam 1334	Beam2	4: FICT 1	0	0	993	970
Beam 1335	Beam2	4: FICT 1	0	0	999	971
Beam 1336	Beam2	4: FICT 1	0	0	1001	972
Beam 1337	Beam2	4: FICT 1	0	0	1010	973
Beam 1338	Beam2	4: FICT 1	0	0	1011	975
Beam 1339	Beam2	4: FICT 1	0	0	994	974
Beam 1340	Beam2	4: FICT 1	0	0	995	976
Beam 1341	Beam2	4: FICT 1	0	0	1002	977
Beam 1342	Beam2	4: FICT 1	0	0	1003	978
Beam 1343	Beam2	4: FICT 1	0	0	1012	979
Beam 1344	Beam2	4: FICT 1	0	0	1013	981

Beam 1345	Beam2	4: FICT 1	0	0	996	980
Beam 1346	Beam2	4: FICT 1	0	0	997	982
Beam 1347	Beam2	4: FICT 1	0	0	1004	983
Beam 1348	Beam2	4: FICT 1	0	0	1005	984
Beam 1349	Beam2	4: FICT 1	0	0	1008	985
Beam 1350	Beam2	4: FICT 1	0	0	1014	987
Beam 1351	Beam2	4: FICT 1	0	0	992	986
Beam 1352	Beam2	4: FICT 1	0	0	998	988
Beam 1353	Beam2	4: FICT 1	0	0	1000	989
Beam 1354	Beam2	4: FICT 1	0	0	1006	990
Beam 1355	Beam2	21: FICT 3	0	0	991	1015
Beam 1356	Beam2	21: FICT 3	0	0	992	1016
Beam 1357	Beam2	21: FICT 3	0	0	993	1017
Beam 1358	Beam2	21: FICT 3	0	0	999	1018
Beam 1359	Beam2	21: FICT 3	0	0	1000	1019
Beam 1360	Beam2	21: FICT 3	0	0	1001	1020
Beam 1361	Beam2	21: FICT 3	0	0	994	1021
Beam 1362	Beam2	21: FICT 3	0	0	995	1022
Beam 1363	Beam2	21: FICT 3	0	0	1002	1023
Beam 1364	Beam2	21: FICT 3	0	0	1003	1024
Beam 1365	Beam2	21: FICT 3	0	0	996	1025
Beam 1366	Beam2	21: FICT 3	0	0	997	1026
Beam 1367	Beam2	21: FICT 3	0	0	1004	1027
Beam 1368	Beam2	21: FICT 3	0	0	1005	1028
Beam 1369	Beam2	21: FICT 3	0	0	998	1029
Beam 1370	Beam2	21: FICT 3	0	0	1006	1030
Beam 1371	Beam2	10: COLONNE - CA 100cm	0	0	1	224
Beam 1372	Beam2	10: COLONNE - CA 100cm	0	0	2	226
Beam 1373	Beam2	10: COLONNE - CA 100cm	0	0	3	220
Beam 1374	Beam2	10: COLONNE - CA 100cm	0	0	4	222
Beam 1375	Beam2	10: COLONNE - CA 100cm	0	0	375	728
Beam 1376	Beam2	10: COLONNE - CA 100cm	0	0	376	730
Beam 1377	Beam2	10: COLONNE - CA 100cm	0	0	377	724
Beam 1378	Beam2	10: COLONNE - CA 100cm	0	0	378	726
Beam 1379	Beam2	5: ARCARECCI - LAMELLARE	0	90	699	209
Beam 1380	Beam2	8: CONTROVENTI	0	0	213	122
Beam 1381	Beam2	8: CONTROVENTI	0	0	122	118
Beam 1382	Beam2	8: CONTROVENTI	0	0	118	127
Beam 1383	Beam2	8: CONTROVENTI	0	0	127	208
Beam 1384	Beam2	8: CONTROVENTI	0	0	213	112
Beam 1385	Beam2	8: CONTROVENTI	0	0	712	566
Beam 1386	Beam2	8: CONTROVENTI	0	0	566	560
Beam 1387	Beam2	8: CONTROVENTI	0	0	560	574
Beam 1388	Beam2	8: CONTROVENTI	0	0	574	704
Beam 1389	Beam2	8: CONTROVENTI	0	0	712	550

CORPO A



Indice dei nodi di definizione

	X (m)	Y (m)	Z (m)
Node 1	61.30	20.00	11.20
Node 2	66.30	20.00	11.20
Node 3	86.30	20.00	11.20
Node 4	106.30	20.00	11.20
Node 5	126.30	20.00	11.20
Node 6	81.30	20.00	11.20
Node 7	101.30	20.00	11.20
Node 8	121.30	20.00	11.20
Node 9	141.30	20.00	11.20
Node 10	76.30	20.00	11.20
Node 11	96.30	20.00	11.20
Node 12	116.30	20.00	11.20
Node 13	136.30	20.00	11.20
Node 14	71.30	20.00	11.20
Node 15	91.30	20.00	11.20
Node 16	111.30	20.00	11.20
Node 17	131.30	20.00	11.20
Node 18	141.30	21.25	11.26
Node 19	121.30	21.25	11.26
Node 20	101.30	21.25	11.26
Node 21	81.30	21.25	11.26
Node 22	61.30	21.25	11.26
Node 23	126.30	21.25	11.26
Node 24	106.30	21.25	11.26
Node 25	86.30	21.25	11.26
Node 26	66.30	21.25	11.26
Node 27	131.30	21.25	11.26
Node 28	111.30	21.25	11.26
Node 29	91.30	21.25	11.26
Node 30	71.30	21.25	11.26
Node 31	136.30	21.25	11.26
Node 32	116.30	21.25	11.26
Node 33	96.30	21.25	11.26
Node 34	76.30	21.25	11.26
Node 35	131.30	21.25	6.80
Node 36	111.30	21.25	6.80
Node 37	91.30	21.25	6.80
Node 38	71.30	21.25	6.80
Node 39	136.30	21.25	6.80
Node 40	116.30	21.25	6.80
Node 41	96.30	21.25	6.80
Node 42	76.30	21.25	6.80
Node 43	126.30	21.25	6.80
Node 44	106.30	21.25	6.80

	X (m)	Y (m)	Z (m)
Node 120	111.30	21.25	-0.50
Node 121	81.30	46.25	-0.50
Node 122	81.30	33.75	-0.50
Node 123	101.30	46.25	-0.50
Node 124	101.30	33.75	-0.50
Node 125	121.30	46.25	-0.50
Node 126	121.30	33.75	-0.50
Node 127	131.30	46.25	-0.50
Node 128	131.30	33.75	-0.50
Node 129	131.30	58.75	-0.50
Node 130	131.30	21.25	-0.50
Node 131	141.30	46.25	-0.50
Node 132	141.30	33.75	-0.50
Node 133	61.30	46.25	-0.50
Node 134	61.30	33.75	-0.50
Node 135	61.30	58.75	-0.50
Node 136	61.30	21.25	-0.50
Node 137	141.30	58.75	-0.50
Node 138	141.30	21.25	-0.50
Node 139	71.30	46.25	6.80
Node 140	71.30	33.75	6.80
Node 141	91.30	46.25	6.80
Node 142	91.30	33.75	6.80
Node 143	111.30	46.25	6.80
Node 144	111.30	33.75	6.80
Node 145	81.30	46.25	6.80
Node 146	81.30	33.75	6.80
Node 147	101.30	46.25	6.80
Node 148	101.30	33.75	6.80
Node 149	121.30	46.25	6.80
Node 150	121.30	33.75	6.80
Node 151	131.30	46.25	6.80
Node 152	131.30	33.75	6.80
Node 153	141.30	46.25	6.80
Node 154	141.30	33.75	6.80
Node 155	61.30	46.25	6.80
Node 156	61.30	33.75	6.80
Node 157	66.30	46.25	6.80
Node 158	76.30	46.25	6.80
Node 159	86.30	46.25	6.80
Node 160	96.30	46.25	6.80
Node 161	106.30	46.25	6.80
Node 162	116.30	46.25	6.80
Node 163	126.30	46.25	6.80

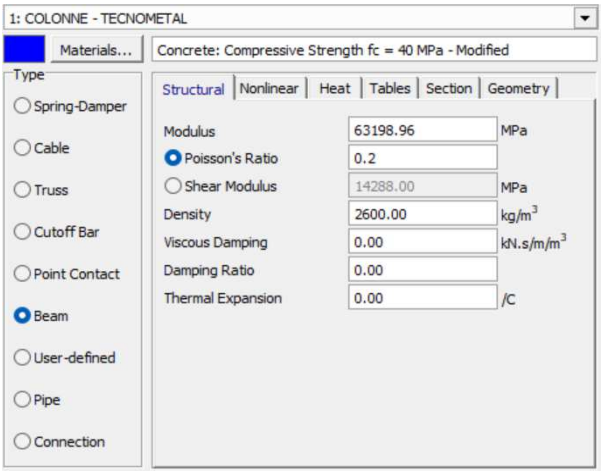
Node 45	86.30	21.25	6.80
Node 46	66.30	21.25	6.80
Node 47	141.30	21.25	6.80
Node 48	121.30	21.25	6.80
Node 49	101.30	21.25	6.80
Node 50	81.30	21.25	6.80
Node 51	61.30	21.25	6.80
Node 52	61.30	60.00	12.40
Node 53	66.30	60.00	12.40
Node 54	86.30	60.00	12.40
Node 55	106.30	60.00	12.40
Node 56	126.30	60.00	12.40
Node 57	81.30	60.00	12.40
Node 58	101.30	60.00	12.40
Node 59	121.30	60.00	12.40
Node 60	141.30	60.00	12.40
Node 61	76.30	60.00	12.40
Node 62	96.30	60.00	12.40
Node 63	116.30	60.00	12.40
Node 64	136.30	60.00	12.40
Node 65	71.30	60.00	12.40
Node 66	91.30	60.00	12.40
Node 67	111.30	60.00	12.40
Node 68	131.30	60.00	12.40
Node 69	61.30	58.75	6.80
Node 70	61.30	58.75	12.20
Node 71	66.30	58.75	6.80
Node 72	66.30	58.75	12.20
Node 73	86.30	58.75	6.80
Node 74	86.30	58.75	12.20
Node 75	106.30	58.75	6.80
Node 76	106.30	58.75	12.20
Node 77	126.30	58.75	6.80
Node 78	126.30	58.75	12.20
Node 79	71.30	58.75	6.80
Node 80	71.30	58.75	12.20
Node 81	91.30	58.75	6.80
Node 82	91.30	58.75	12.20
Node 83	111.30	58.75	6.80
Node 84	111.30	58.75	12.20
Node 85	131.30	58.75	6.80
Node 86	131.30	58.75	12.20
Node 87	76.30	58.75	6.80
Node 88	76.30	58.75	12.20
Node 89	96.30	58.75	6.80
Node 90	96.30	58.75	12.20
Node 91	116.30	58.75	6.80
Node 92	116.30	58.75	12.20
Node 93	136.30	58.75	6.80
Node 94	136.30	58.75	12.20

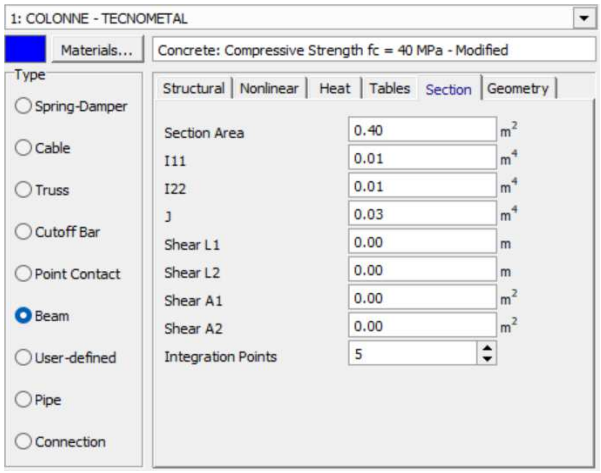
Node 164	136.30	46.25	6.80
Node 165	66.30	33.75	6.80
Node 166	76.30	33.75	6.80
Node 167	86.30	33.75	6.80
Node 168	96.30	33.75	6.80
Node 169	106.30	33.75	6.80
Node 170	116.30	33.75	6.80
Node 171	126.30	33.75	6.80
Node 172	136.30	33.75	6.80
Node 173	61.30	52.50	6.80
Node 174	61.30	40.00	6.80
Node 175	61.30	27.50	6.80
Node 176	71.30	52.50	6.80
Node 177	81.30	52.50	6.80
Node 178	91.30	52.50	6.80
Node 179	101.30	52.50	6.80
Node 180	111.30	52.50	6.80
Node 181	121.30	52.50	6.80
Node 182	131.30	52.50	6.80
Node 183	141.30	52.50	6.80
Node 184	71.30	40.00	6.80
Node 185	81.30	40.00	6.80
Node 186	91.30	40.00	6.80
Node 187	111.30	40.00	6.80
Node 188	121.30	40.00	6.80
Node 189	131.30	40.00	6.80
Node 190	141.30	40.00	6.80
Node 191	71.30	27.50	6.80
Node 192	81.30	27.50	6.80
Node 193	91.30	27.50	6.80
Node 194	101.30	27.50	6.80
Node 195	111.30	27.50	6.80
Node 196	121.30	27.50	6.80
Node 197	131.30	27.50	6.80
Node 198	141.30	27.50	6.80
Node 199	101.30	40.00	6.80
Node 200	121.30	47.24	6.80
Node 201	131.30	47.24	6.80
Node 202	71.30	35.74	6.80
Node 203	81.30	35.74	6.80
Node 204	91.30	34.74	6.80
Node 205	101.30	34.74	6.80
Node 206	111.30	34.74	6.80
Node 207	121.30	34.74	6.80
Node 208	121.30	45.26	6.80
Node 209	131.30	45.26	6.80
Node 210	71.30	31.75	6.80
Node 211	81.30	31.75	6.80
Node 212	91.30	32.76	6.80
Node 213	101.30	32.76	6.80

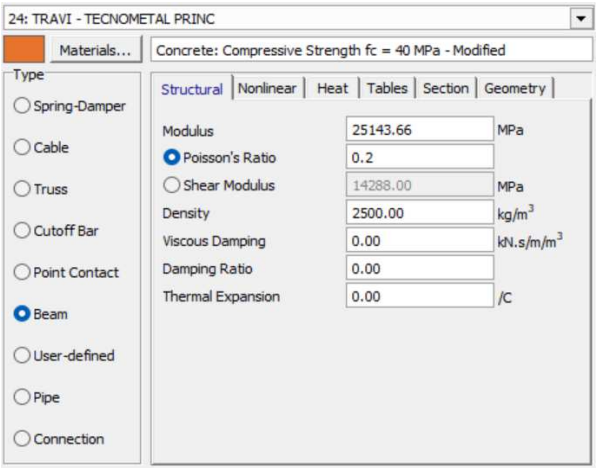
Node 95	81.30	58.75	6.80
Node 96	81.30	58.75	12.20
Node 97	101.30	58.75	6.80
Node 98	101.30	58.75	12.20
Node 99	121.30	58.75	6.80
Node 100	121.30	58.75	12.20
Node 101	141.30	58.75	6.80
Node 102	141.30	58.75	12.20
Node 103	81.30	58.75	-0.50
Node 104	81.30	21.25	-0.50
Node 105	101.30	58.75	-0.50
Node 106	121.30	58.75	-0.50
Node 107	101.30	21.25	-0.50
Node 108	121.30	21.25	-0.50
Node 109	71.30	46.25	-0.50
Node 110	71.30	33.75	-0.50
Node 111	71.30	58.75	-0.50
Node 112	71.30	21.25	-0.50
Node 113	91.30	46.25	-0.50
Node 114	91.30	33.75	-0.50
Node 115	91.30	58.75	-0.50
Node 116	91.30	21.25	-0.50
Node 117	111.30	46.25	-0.50
Node 118	111.30	33.75	-0.50
Node 119	111.30	58.75	-0.50

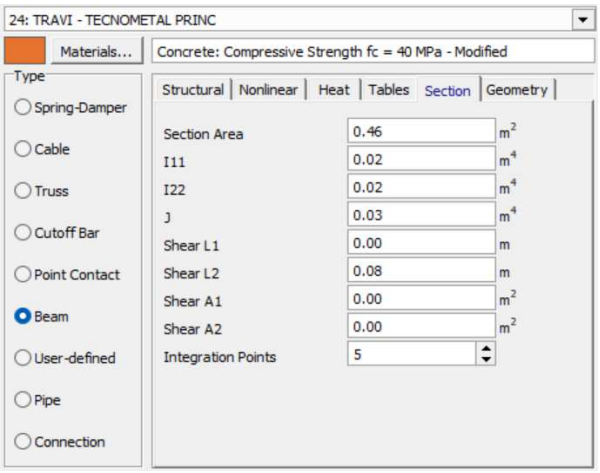
Node 214	111.30	32.76	6.80
Node 215	121.30	32.76	6.80
Node 216	66.30	52.50	6.80
Node 217	76.30	52.50	6.80
Node 218	86.30	52.50	6.80
Node 219	96.30	52.50	6.80
Node 220	106.30	52.50	6.80
Node 221	116.30	52.50	6.80
Node 222	126.30	52.50	6.80
Node 223	136.30	52.50	6.80
Node 224	66.30	40.00	6.80
Node 225	66.30	27.50	6.80
Node 226	76.30	40.00	6.80
Node 227	76.30	27.50	6.80
Node 228	86.30	40.00	6.80
Node 229	86.30	27.50	6.80
Node 230	96.30	40.00	6.80
Node 231	96.30	27.50	6.80
Node 232	106.30	40.00	6.80
Node 233	106.30	27.50	6.80
Node 234	116.30	40.00	6.80
Node 235	116.30	27.50	6.80
Node 236	126.30	40.00	6.80
Node 237	126.30	27.50	6.80
Node 238	136.30	40.00	6.80
Node 239	136.30	27.50	6.80

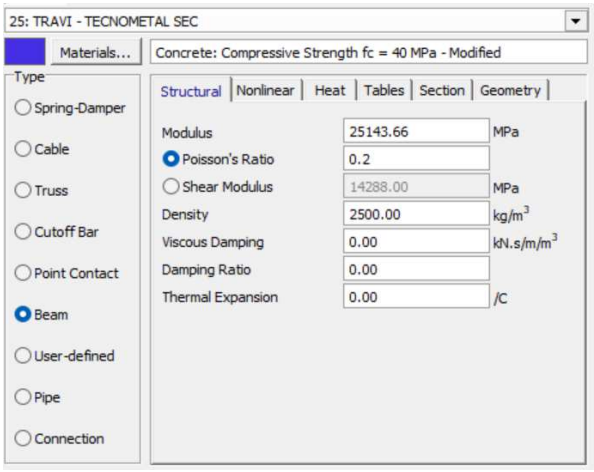
Proprietà delle sezioni utilizzate

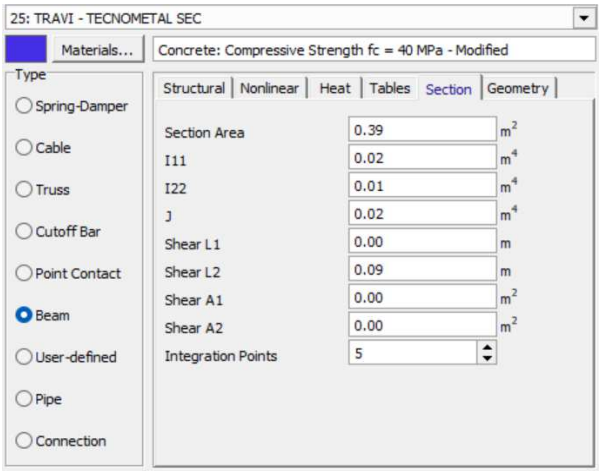












Definizione delle aste

	Type	Property	ID	Angle	N1	N2
				(deg)		
Beam 133	Beam2	1: COLONNE - TECNOMETAL	0	0	103	95
Beam 134	Beam2	1: COLONNE - TECNOMETAL	0	0	104	50
Beam 135	Beam2	1: COLONNE - TECNOMETAL	0	0	105	97
Beam 136	Beam2	1: COLONNE - TECNOMETAL	0	0	106	99
Beam 137	Beam2	1: COLONNE - TECNOMETAL	0	0	107	49
Beam 138	Beam2	1: COLONNE - TECNOMETAL	0	0	108	48
Beam 139	Beam2	1: COLONNE - TECNOMETAL	0	0	109	139
Beam 140	Beam2	1: COLONNE - TECNOMETAL	0	0	110	140
Beam 141	Beam2	1: COLONNE - TECNOMETAL	0	0	111	79
Beam 142	Beam2	1: COLONNE - TECNOMETAL	0	0	112	38
Beam 143	Beam2	1: COLONNE - TECNOMETAL	0	0	113	141
Beam 144	Beam2	1: COLONNE - TECNOMETAL	0	0	114	142
Beam 145	Beam2	1: COLONNE - TECNOMETAL	0	0	115	81
Beam 146	Beam2	1: COLONNE - TECNOMETAL	0	0	116	37
Beam 147	Beam2	1: COLONNE - TECNOMETAL	0	0	117	143
Beam 148	Beam2	1: COLONNE - TECNOMETAL	0	0	118	144
Beam 149	Beam2	1: COLONNE - TECNOMETAL	0	0	119	83
Beam 150	Beam2	1: COLONNE - TECNOMETAL	0	0	120	36
Beam 151	Beam2	1: COLONNE - TECNOMETAL	0	0	121	145
Beam 152	Beam2	1: COLONNE - TECNOMETAL	0	0	122	146
Beam 153	Beam2	1: COLONNE - TECNOMETAL	0	0	123	147
Beam 154	Beam2	1: COLONNE - TECNOMETAL	0	0	124	148
Beam 155	Beam2	1: COLONNE - TECNOMETAL	0	0	125	149
Beam 156	Beam2	1: COLONNE - TECNOMETAL	0	0	126	150
Beam 157	Beam2	1: COLONNE - TECNOMETAL	0	0	127	151
Beam 158	Beam2	1: COLONNE - TECNOMETAL	0	0	128	152
Beam 159	Beam2	1: COLONNE - TECNOMETAL	0	0	129	85
Beam 160	Beam2	1: COLONNE - TECNOMETAL	0	0	130	35
Beam 161	Beam2	1: COLONNE - TECNOMETAL	0	0	131	153
Beam 162	Beam2	1: COLONNE - TECNOMETAL	0	0	132	154
Beam 163	Beam2	1: COLONNE - TECNOMETAL	0	0	133	155
Beam 164	Beam2	1: COLONNE - TECNOMETAL	0	0	134	156
Beam 165	Beam2	1: COLONNE - TECNOMETAL	0	0	135	69
Beam 166	Beam2	1: COLONNE - TECNOMETAL	0	0	136	51
Beam 167	Beam2	1: COLONNE - TECNOMETAL	0	0	137	101
Beam 168	Beam2	1: COLONNE - TECNOMETAL	0	0	138	47
Beam 169	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	157	139
Beam 170	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	158	145
Beam 171	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	159	141
Beam 172	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	160	147
Beam 173	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	161	143
Beam 174	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	162	149
Beam 175	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	163	151
Beam 176	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	164	153

Beam 177	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	71	79
Beam 178	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	87	95
Beam 179	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	73	81
Beam 180	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	89	97
Beam 181	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	75	83
Beam 182	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	91	99
Beam 183	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	77	85
Beam 184	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	93	101
Beam 185	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	165	140
Beam 186	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	166	146
Beam 187	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	167	142
Beam 188	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	168	148
Beam 189	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	169	144
Beam 190	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	170	150
Beam 191	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	171	152
Beam 192	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	172	154
Beam 193	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	46	38
Beam 194	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	42	50
Beam 195	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	45	37
Beam 196	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	41	49
Beam 197	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	44	36
Beam 198	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	40	48
Beam 199	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	43	35
Beam 200	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	39	47
Beam 201	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	173	155
Beam 202	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	174	156
Beam 203	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	175	51
Beam 204	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	176	139
Beam 205	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	177	145
Beam 206	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	178	141
Beam 207	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	179	147
Beam 208	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	180	143
Beam 209	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	200	149
Beam 210	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	201	151
Beam 211	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	183	153
Beam 212	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	202	140
Beam 213	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	203	146
Beam 214	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	204	142
Beam 215	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	205	148
Beam 216	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	206	144
Beam 217	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	207	150
Beam 218	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	189	152
Beam 219	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	190	154
Beam 220	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	191	38
Beam 221	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	192	50
Beam 222	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	193	37
Beam 223	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	194	49
Beam 224	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	195	36
Beam 225	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	196	48
Beam 226	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	197	35

Beam 227	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	198	47
Beam 228	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	155	157
Beam 229	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	139	158
Beam 230	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	145	159
Beam 231	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	141	160
Beam 232	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	147	161
Beam 233	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	143	162
Beam 234	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	149	163
Beam 235	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	151	164
Beam 236	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	69	71
Beam 237	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	79	87
Beam 238	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	95	73
Beam 239	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	81	89
Beam 240	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	97	75
Beam 241	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	83	91
Beam 242	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	99	77
Beam 243	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	85	93
Beam 244	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	156	165
Beam 245	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	140	166
Beam 246	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	146	167
Beam 247	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	142	168
Beam 248	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	148	169
Beam 249	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	144	170
Beam 250	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	150	171
Beam 251	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	152	172
Beam 252	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	51	46
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Beam 257	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	36	40
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Beam 259	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	35	39
Beam 260	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	69	173
Beam 261	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	155	174
Beam 262	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	156	175
Beam 263	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	79	176
Beam 264	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	95	177
Beam 265	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	81	178
Beam 266	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	97	179
Beam 267	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	83	180
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Beam 276	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	208	188

Beam 277	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	209	189
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Beam 282	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	213	194
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Beam 284	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	215	196
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Beam 292	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	199	205
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Beam 294	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	188	207
Beam 295	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	149	208
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Beam 300	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	148	213
Beam 301	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	144	214
Beam 302	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	150	215
Beam 253	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	38	42
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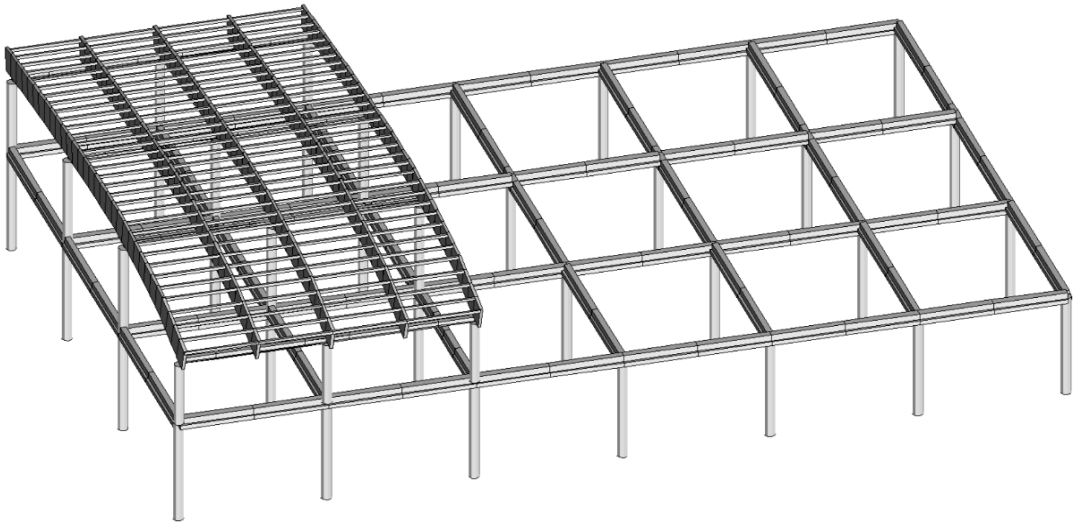
Beam 256	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	49	44
Beam 257	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	36	40
Beam 258	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	48	43
Beam 259	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	35	39
Beam 260	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	69	173
Beam 261	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	155	174
Beam 262	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	156	175
Beam 263	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	79	176
Beam 264	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	95	177
Beam 265	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	81	178
Beam 266	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	97	179
Beam 267	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	83	180
Beam 268	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	99	181
Beam 269	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	85	182
Beam 270	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	101	183
Beam 271	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	139	184
Beam 272	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	145	185
Beam 273	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	141	186
Beam 274	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	147	199
Beam 275	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	143	187
Beam 276	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	208	188

Beam 277	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	209	189
Beam 278	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	153	190
Beam 279	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	210	191
Beam 280	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	211	192
Beam 281	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	212	193
Beam 282	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	213	194
Beam 283	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	214	195
Beam 284	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	215	196
Beam 285	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	152	197
Beam 286	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	154	198
Beam 287	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	181	200
Beam 288	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	182	201
Beam 289	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	184	202
Beam 290	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	185	203
Beam 291	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	186	204
Beam 292	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	199	205
Beam 293	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	187	206
Beam 294	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	188	207
Beam 295	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	149	208
Beam 296	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	151	209
Beam 297	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	140	210
Beam 298	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	146	211
Beam 299	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	142	212
Beam 300	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	148	213
Beam 301	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	144	214
Beam 302	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	150	215

CORPO B



Indice dei nodi di definizione

	X (m)	Y (m)	Z (m)
Node 11	20.00	21.25	11.26
Node 18	50.00	21.25	6.80
Node 19	30.00	21.25	6.80
Node 20	55.00	21.25	6.80
Node 21	35.00	21.25	6.80
Node 22	45.00	21.25	6.80
Node 23	25.00	21.25	6.80
Node 24	60.00	21.25	6.80
Node 25	40.00	21.25	6.80
Node 26	20.00	21.25	6.80
Node 27	20.00	23.75	13.22
Node 28	20.00	22.50	12.86
Node 29	20.00	21.25	12.51
Node 30	20.00	23.75	13.77
Node 31	20.00	22.50	13.41
Node 32	20.00	21.25	13.06
Node 33	20.00	22.50	13.42
Node 34	20.00	21.25	13.07
Node 35	20.00	23.75	13.78
Node 44	25.00	58.75	6.80
Node 46	45.00	58.75	6.80
Node 48	30.00	58.75	6.80
Node 50	50.00	58.75	6.80
Node 52	35.00	58.75	6.80
Node 54	55.00	58.75	6.80
Node 56	20.00	58.75	6.80
Node 57	20.00	58.75	12.20
Node 58	40.00	58.75	6.80
Node 60	60.00	58.75	6.80
Node 62	20.00	56.25	13.65
Node 63	20.00	57.50	13.55
Node 64	20.00	58.75	13.45
Node 65	20.00	57.50	14.10
Node 66	20.00	58.75	14.00
Node 67	20.00	56.25	14.20
Node 68	20.00	57.50	14.11
Node 69	20.00	56.25	14.21
Node 70	20.00	58.75	14.01
Node 71	0.00	58.75	-0.50
Node 72	0.00	21.25	-0.50
Node 73	20.00	58.75	-0.50
Node 74	40.00	58.75	-0.50
Node 75	20.00	21.25	-0.50
Node 76	40.00	21.25	-0.50

	X (m)	Y (m)	Z (m)
Node 395	10.00	58.75	14.00
Node 396	15.00	58.75	14.00
Node 397	0.00	57.50	14.10
Node 398	5.00	57.50	14.10
Node 399	10.00	57.50	14.10
Node 400	15.00	57.50	14.10
Node 401	0.00	56.25	14.20
Node 402	5.00	56.25	14.20
Node 403	10.00	56.25	14.20
Node 404	15.00	56.25	14.20
Node 405	0.00	38.75	15.20
Node 406	5.00	38.75	15.20
Node 407	20.00	38.75	15.20
Node 408	10.00	38.75	15.20
Node 409	15.00	38.75	15.20
Node 410	0.00	37.50	15.20
Node 411	5.00	37.50	15.20
Node 412	20.00	37.50	15.20
Node 413	10.00	37.50	15.20
Node 414	15.00	37.50	15.20
Node 415	0.00	36.25	15.19
Node 416	5.00	36.25	15.19
Node 417	20.00	36.25	15.19
Node 418	10.00	36.25	15.19
Node 419	15.00	36.25	15.19
Node 420	0.00	20.10	12.73
Node 421	5.00	20.10	12.73
Node 422	20.00	20.10	12.73
Node 423	10.00	20.10	12.73
Node 424	15.00	20.10	12.73
Node 425	0.00	40.00	15.20
Node 426	5.00	40.00	15.20
Node 427	20.00	40.00	15.20
Node 428	10.00	40.00	15.20
Node 429	15.00	40.00	15.20
Node 430	0.00	59.90	13.91
Node 431	5.00	59.90	13.91
Node 432	20.00	59.90	13.91
Node 433	10.00	59.90	13.91
Node 434	15.00	59.90	13.91
Node 435	0.00	20.10	11.53
Node 436	20.00	20.10	11.53
Node 437	0.00	40.00	14.00
Node 438	20.00	40.00	14.00

Node 77	10.00	58.75	-0.50
Node 78	10.00	21.25	-0.50
Node 79	10.00	46.25	-0.50
Node 80	10.00	33.75	-0.50
Node 81	0.00	46.25	-0.50
Node 82	0.00	33.75	-0.50
Node 83	20.00	46.25	-0.50
Node 84	30.00	46.25	-0.50
Node 85	40.00	46.25	-0.50
Node 86	50.00	46.25	-0.50
Node 87	20.00	33.75	-0.50
Node 88	30.00	33.75	-0.50
Node 89	40.00	33.75	-0.50
Node 90	50.00	33.75	-0.50
Node 91	30.00	58.75	-0.50
Node 92	50.00	58.75	-0.50
Node 93	30.00	21.25	-0.50
Node 94	50.00	21.25	-0.50
Node 95	60.00	46.25	-0.50
Node 96	60.00	33.75	-0.50
Node 97	60.00	58.75	-0.50
Node 98	60.00	21.25	-0.50
Node 99	0.00	58.75	6.80
Node 100	0.00	21.25	6.80
Node 101	10.00	58.75	6.80
Node 102	10.00	21.25	6.80
Node 103	10.00	46.25	6.80
Node 104	10.00	33.75	6.80
Node 105	0.00	46.25	6.80
Node 106	0.00	33.75	6.80
Node 107	20.00	46.25	6.80
Node 108	30.00	46.25	6.80
Node 109	40.00	46.25	6.80
Node 110	50.00	46.25	6.80
Node 111	20.00	33.75	6.80
Node 112	30.00	33.75	6.80
Node 113	40.00	33.75	6.80
Node 114	50.00	33.75	6.80
Node 115	60.00	46.25	6.80
Node 116	60.00	33.75	6.80
Node 117	5.00	41.25	14.59
Node 118	5.00	40.00	14.65
Node 119	10.00	41.25	14.59
Node 120	10.00	40.00	14.65
Node 121	15.00	41.25	14.59
Node 122	15.00	40.00	14.65
Node 123	0.00	41.25	14.59
Node 124	0.00	40.00	14.65
Node 125	20.00	41.25	14.59
Node 126	20.00	40.00	14.65

Node 439	0.00	59.90	12.71
Node 440	20.00	59.90	12.71
Node 477	20.00	50.00	13.60
Node 478	20.00	30.00	13.69
Node 479	20.00	45.00	13.85
Node 480	20.00	25.00	13.03
Node 481	20.00	55.00	13.20
Node 482	20.00	35.00	14.09
Node 483	0.00	50.00	13.60
Node 484	0.00	30.00	13.69
Node 485	0.00	45.00	13.85
Node 486	0.00	25.00	13.03
Node 487	0.00	55.00	13.20
Node 488	0.00	35.00	14.09
Node 489	0.00	41.25	15.15
Node 490	0.00	40.00	15.21
Node 491	5.00	40.00	15.21
Node 492	5.00	41.25	15.15
Node 493	0.00	21.25	13.07
Node 494	0.00	20.10	12.74
Node 495	5.00	20.10	12.74
Node 496	5.00	21.25	13.07
Node 497	0.00	51.25	14.61
Node 498	0.00	50.00	14.71
Node 499	5.00	50.00	14.71
Node 500	5.00	51.25	14.61
Node 501	0.00	31.25	14.90
Node 502	0.00	30.00	14.79
Node 503	5.00	30.00	14.79
Node 504	5.00	31.25	14.90
Node 505	0.00	46.25	14.90
Node 506	0.00	45.00	14.96
Node 507	5.00	45.00	14.96
Node 508	5.00	46.25	14.90
Node 509	0.00	26.25	14.30
Node 510	0.00	25.00	14.14
Node 511	5.00	25.00	14.14
Node 512	5.00	26.25	14.30
Node 513	0.00	56.25	14.21
Node 514	0.00	55.00	14.31
Node 515	5.00	55.00	14.31
Node 516	5.00	56.25	14.21
Node 517	0.00	36.25	15.20
Node 518	0.00	35.00	15.20
Node 519	5.00	35.00	15.20
Node 520	5.00	36.25	15.20
Node 521	10.00	40.00	15.21
Node 522	10.00	41.25	15.15
Node 523	15.00	40.00	15.21
Node 524	15.00	41.25	15.15

Node 127	5.00	21.25	12.51
Node 128	5.00	20.10	12.18
Node 129	10.00	21.25	12.51
Node 130	10.00	20.10	12.18
Node 131	15.00	21.25	12.51
Node 132	15.00	20.10	12.18
Node 133	0.00	21.25	12.51
Node 134	0.00	20.10	12.15
Node 135	20.00	20.10	12.18
Node 136	5.00	51.25	14.05
Node 137	5.00	50.00	14.15
Node 138	10.00	51.25	14.05
Node 139	10.00	50.00	14.15
Node 140	15.00	51.25	14.05
Node 141	15.00	50.00	14.15
Node 142	0.00	51.25	14.05
Node 143	0.00	50.00	14.15
Node 144	20.00	51.25	14.05
Node 145	20.00	50.00	14.15
Node 146	5.00	31.25	14.34
Node 147	5.00	30.00	14.23
Node 148	10.00	31.25	14.34
Node 149	10.00	30.00	14.23
Node 150	15.00	31.25	14.34
Node 151	15.00	30.00	14.23
Node 152	0.00	31.25	14.34
Node 153	0.00	30.00	14.23
Node 154	20.00	31.25	14.34
Node 155	20.00	30.00	14.23
Node 156	5.00	46.25	14.34
Node 157	5.00	45.00	14.40
Node 158	10.00	46.25	14.34
Node 159	10.00	45.00	14.40
Node 160	15.00	46.25	14.34
Node 161	15.00	45.00	14.40
Node 162	0.00	46.25	14.34
Node 163	0.00	45.00	14.40
Node 164	20.00	46.25	14.34
Node 165	20.00	45.00	14.40
Node 166	5.00	26.25	13.74
Node 167	5.00	25.00	13.58
Node 168	10.00	26.25	13.74
Node 169	10.00	25.00	13.58
Node 170	15.00	26.25	13.74
Node 171	15.00	25.00	13.58
Node 172	0.00	26.25	13.74
Node 173	0.00	25.00	13.58
Node 174	20.00	26.25	13.74
Node 175	20.00	25.00	13.58
Node 176	5.00	56.25	13.65

Node 525	20.00	40.00	15.21
Node 526	20.00	41.25	15.15
Node 527	10.00	20.10	12.74
Node 528	10.00	21.25	13.07
Node 529	15.00	20.10	12.74
Node 530	15.00	21.25	13.07
Node 531	20.00	20.10	12.74
Node 532	10.00	50.00	14.71
Node 533	10.00	51.25	14.61
Node 534	15.00	50.00	14.71
Node 535	15.00	51.25	14.61
Node 536	20.00	50.00	14.71
Node 537	20.00	51.25	14.61
Node 538	10.00	30.00	14.79
Node 539	10.00	31.25	14.90
Node 540	15.00	30.00	14.79
Node 541	15.00	31.25	14.90
Node 542	20.00	30.00	14.79
Node 543	20.00	31.25	14.90
Node 544	10.00	45.00	14.96
Node 545	10.00	46.25	14.90
Node 546	15.00	45.00	14.96
Node 547	15.00	46.25	14.90
Node 548	20.00	45.00	14.96
Node 549	20.00	46.25	14.90
Node 550	10.00	25.00	14.14
Node 551	10.00	26.25	14.30
Node 552	15.00	25.00	14.14
Node 553	15.00	26.25	14.30
Node 554	20.00	25.00	14.14
Node 555	20.00	26.25	14.30
Node 556	10.00	55.00	14.31
Node 557	10.00	56.25	14.21
Node 558	15.00	55.00	14.31
Node 559	15.00	56.25	14.21
Node 560	20.00	55.00	14.31
Node 561	10.00	35.00	15.20
Node 562	10.00	36.25	15.20
Node 563	15.00	35.00	15.20
Node 564	15.00	36.25	15.20
Node 565	20.00	35.00	15.20
Node 566	20.00	36.25	15.20
Node 567	0.00	43.75	15.02
Node 568	5.00	43.75	15.02
Node 569	0.00	42.50	15.09
Node 570	5.00	42.50	15.09
Node 571	0.00	23.75	13.78
Node 572	5.00	23.75	13.78
Node 573	0.00	22.50	13.42
Node 574	5.00	22.50	13.42

Node 177	5.00	55.00	13.75
Node 178	10.00	56.25	13.65
Node 179	10.00	55.00	13.75
Node 180	15.00	56.25	13.65
Node 181	15.00	55.00	13.75
Node 182	0.00	56.25	13.65
Node 183	0.00	55.00	13.75
Node 184	20.00	55.00	13.75
Node 185	5.00	36.25	14.64
Node 186	5.00	35.00	14.64
Node 187	10.00	36.25	14.64
Node 188	10.00	35.00	14.64
Node 189	15.00	36.25	14.64
Node 190	15.00	35.00	14.64
Node 191	0.00	36.25	14.64
Node 192	0.00	35.00	14.64
Node 193	20.00	36.25	14.64
Node 194	20.00	35.00	14.64
Node 195	5.00	43.75	14.46
Node 196	5.00	42.50	14.53
Node 197	10.00	43.75	14.46
Node 198	10.00	42.50	14.53
Node 199	15.00	43.75	14.46
Node 200	15.00	42.50	14.53
Node 201	0.00	43.75	14.46
Node 202	20.00	43.75	14.46
Node 203	0.00	42.50	14.53
Node 204	20.00	42.50	14.53
Node 205	5.00	23.75	13.22
Node 206	5.00	22.50	12.86
Node 207	10.00	23.75	13.22
Node 208	10.00	22.50	12.86
Node 209	15.00	23.75	13.22
Node 210	15.00	22.50	12.86
Node 211	0.00	23.75	13.22
Node 212	0.00	22.50	12.86
Node 213	5.00	53.75	13.85
Node 214	5.00	52.50	13.95
Node 215	10.00	53.75	13.85
Node 216	10.00	52.50	13.95
Node 217	15.00	53.75	13.85
Node 218	15.00	52.50	13.95
Node 219	0.00	53.75	13.85
Node 220	20.00	53.75	13.85
Node 221	0.00	52.50	13.95
Node 222	20.00	52.50	13.95
Node 223	5.00	33.75	14.54
Node 224	5.00	32.50	14.44
Node 225	10.00	33.75	14.54
Node 226	10.00	32.50	14.44

Node 575	0.00	53.75	14.41
Node 576	5.00	53.75	14.41
Node 577	0.00	52.50	14.51
Node 578	5.00	52.50	14.51
Node 579	0.00	33.75	15.10
Node 580	5.00	33.75	15.10
Node 581	0.00	32.50	15.00
Node 582	5.00	32.50	15.00
Node 583	0.00	48.75	14.77
Node 584	5.00	48.75	14.77
Node 585	0.00	47.50	14.84
Node 586	5.00	47.50	14.84
Node 587	0.00	28.75	14.63
Node 588	5.00	28.75	14.63
Node 589	0.00	27.50	14.47
Node 590	5.00	27.50	14.47
Node 591	0.00	59.90	13.92
Node 592	5.00	59.90	13.92
Node 593	0.00	58.75	14.01
Node 594	5.00	58.75	14.01
Node 595	0.00	57.50	14.11
Node 596	5.00	57.50	14.11
Node 597	0.00	38.75	15.21
Node 598	5.00	38.75	15.21
Node 599	0.00	37.50	15.21
Node 600	5.00	37.50	15.21
Node 601	10.00	43.75	15.02
Node 602	10.00	42.50	15.09
Node 603	15.00	43.75	15.02
Node 604	15.00	42.50	15.09
Node 605	20.00	43.75	15.02
Node 606	20.00	42.50	15.09
Node 607	10.00	23.75	13.78
Node 608	10.00	22.50	13.42
Node 609	15.00	23.75	13.78
Node 610	15.00	22.50	13.42
Node 611	10.00	53.75	14.41
Node 612	10.00	52.50	14.51
Node 613	15.00	53.75	14.41
Node 614	15.00	52.50	14.51
Node 615	20.00	53.75	14.41
Node 616	20.00	52.50	14.51
Node 617	10.00	33.75	15.10
Node 618	10.00	32.50	15.00
Node 619	15.00	33.75	15.10
Node 620	15.00	32.50	15.00
Node 621	20.00	33.75	15.10
Node 622	20.00	32.50	15.00
Node 623	10.00	48.75	14.77
Node 624	10.00	47.50	14.84

Node 227	15.00	33.75	14.54
Node 228	15.00	32.50	14.44
Node 229	0.00	33.75	14.54
Node 230	20.00	33.75	14.54
Node 231	0.00	32.50	14.44
Node 232	20.00	32.50	14.44
Node 233	5.00	48.75	14.21
Node 234	5.00	47.50	14.28
Node 235	10.00	48.75	14.21
Node 236	10.00	47.50	14.28
Node 237	15.00	48.75	14.21
Node 238	15.00	47.50	14.28
Node 239	0.00	48.75	14.21
Node 240	20.00	48.75	14.21
Node 241	0.00	47.50	14.28
Node 242	20.00	47.50	14.28
Node 243	5.00	28.75	14.07
Node 244	5.00	27.50	13.91
Node 245	10.00	28.75	14.07
Node 246	10.00	27.50	13.91
Node 247	15.00	28.75	14.07
Node 248	15.00	27.50	13.91
Node 249	0.00	28.75	14.07
Node 250	20.00	28.75	14.07
Node 251	0.00	27.50	13.91
Node 252	20.00	27.50	13.91
Node 253	5.00	59.90	13.36
Node 254	10.00	59.90	13.36
Node 255	15.00	59.90	13.36
Node 256	0.00	59.90	13.35
Node 257	20.00	59.90	13.36
Node 258	5.00	58.75	13.45
Node 259	5.00	57.50	13.55
Node 260	10.00	58.75	13.45
Node 261	10.00	57.50	13.55
Node 262	15.00	58.75	13.45
Node 263	15.00	57.50	13.55
Node 264	0.00	58.75	13.45
Node 265	0.00	57.50	13.55
Node 266	5.00	38.75	14.65
Node 267	5.00	37.50	14.65
Node 268	10.00	38.75	14.65
Node 269	10.00	37.50	14.65
Node 270	15.00	38.75	14.65
Node 271	15.00	37.50	14.65
Node 272	0.00	38.75	14.65
Node 273	20.00	38.75	14.65
Node 274	0.00	37.50	14.65
Node 275	20.00	37.50	14.65
Node 276	0.00	50.00	14.70

Node 625	15.00	48.75	14.77
Node 626	15.00	47.50	14.84
Node 627	20.00	48.75	14.77
Node 628	20.00	47.50	14.84
Node 629	10.00	28.75	14.63
Node 630	10.00	27.50	14.47
Node 631	15.00	28.75	14.63
Node 632	15.00	27.50	14.47
Node 633	20.00	28.75	14.63
Node 634	20.00	27.50	14.47
Node 635	10.00	59.90	13.92
Node 636	15.00	59.90	13.92
Node 637	20.00	59.90	13.92
Node 638	10.00	58.75	14.01
Node 639	10.00	57.50	14.11
Node 640	15.00	58.75	14.01
Node 641	15.00	57.50	14.11
Node 642	10.00	38.75	15.21
Node 643	10.00	37.50	15.21
Node 644	15.00	38.75	15.21
Node 645	15.00	37.50	15.21
Node 646	20.00	38.75	15.21
Node 647	20.00	37.50	15.21
Node 648	2.50	33.75	13.59
Node 649	5.00	33.75	13.59
Node 650	17.50	33.75	13.59
Node 651	20.00	33.75	13.59
Node 652	11.50	33.75	13.59
Node 653	15.00	33.75	13.59
Node 654	8.50	33.75	13.59
Node 655	10.00	33.75	13.59
Node 656	0.00	33.75	13.59
Node 657	0.00	33.75	13.29
Node 658	20.00	33.75	13.29
Node 659	0.00	33.75	13.89
Node 660	20.00	33.75	13.89
Node 661	5.00	33.75	13.89
Node 662	10.00	33.75	13.89
Node 663	15.00	33.75	13.89
Node 664	2.50	46.25	13.39
Node 665	5.00	46.25	13.39
Node 666	17.50	46.25	13.39
Node 667	20.00	46.25	13.39
Node 668	11.50	46.25	13.39
Node 669	15.00	46.25	13.39
Node 670	8.50	46.25	13.39
Node 671	10.00	46.25	13.39
Node 672	0.00	46.25	13.39
Node 673	0.00	46.25	13.09
Node 674	20.00	46.25	13.09

Node 277	5.00	50.00	14.70
Node 278	20.00	50.00	14.70
Node 279	10.00	50.00	14.70
Node 280	15.00	50.00	14.70
Node 281	0.00	30.00	14.79
Node 282	5.00	30.00	14.79
Node 283	20.00	30.00	14.79
Node 284	10.00	30.00	14.79
Node 285	15.00	30.00	14.79
Node 286	0.00	45.00	14.95
Node 287	5.00	45.00	14.95
Node 288	20.00	45.00	14.95
Node 289	10.00	45.00	14.95
Node 290	15.00	45.00	14.95
Node 291	0.00	25.00	14.13
Node 292	5.00	25.00	14.13
Node 293	20.00	25.00	14.13
Node 294	10.00	25.00	14.13
Node 295	15.00	25.00	14.13
Node 296	0.00	55.00	14.30
Node 297	5.00	55.00	14.30
Node 298	20.00	55.00	14.30
Node 299	10.00	55.00	14.30
Node 300	15.00	55.00	14.30
Node 301	0.00	35.00	15.19
Node 302	5.00	35.00	15.19
Node 303	20.00	35.00	15.19
Node 304	10.00	35.00	15.19
Node 305	15.00	35.00	15.19
Node 306	0.00	43.75	15.01
Node 307	5.00	43.75	15.01
Node 308	20.00	43.75	15.01
Node 309	10.00	43.75	15.01
Node 310	15.00	43.75	15.01
Node 311	0.00	42.50	15.07
Node 312	5.00	42.50	15.07
Node 313	20.00	42.50	15.07
Node 314	10.00	42.50	15.07
Node 315	15.00	42.50	15.07
Node 316	0.00	41.25	15.14
Node 317	5.00	41.25	15.14
Node 318	20.00	41.25	15.14
Node 319	10.00	41.25	15.14
Node 320	15.00	41.25	15.14
Node 321	0.00	23.75	13.77
Node 322	5.00	23.75	13.77
Node 323	10.00	23.75	13.77
Node 324	15.00	23.75	13.77
Node 325	0.00	22.50	13.41
Node 326	5.00	22.50	13.41

Node 675	0.00	46.25	13.69
Node 676	20.00	46.25	13.69
Node 677	5.00	46.25	13.69
Node 678	10.00	46.25	13.69
Node 679	15.00	46.25	13.69
Node 680	2.50	21.25	11.56
Node 681	5.00	21.25	11.56
Node 682	17.50	21.25	11.56
Node 683	20.00	21.25	11.56
Node 684	11.50	21.25	11.56
Node 685	15.00	21.25	11.56
Node 686	8.50	21.25	11.56
Node 687	10.00	21.25	11.56
Node 688	0.00	21.25	11.56
Node 689	0.00	21.25	11.26
Node 690	0.00	21.25	11.86
Node 691	20.00	21.25	11.86
Node 692	5.00	21.25	11.86
Node 693	10.00	21.25	11.86
Node 694	15.00	21.25	11.86
Node 695	2.50	58.75	12.50
Node 696	5.00	58.75	12.50
Node 697	17.50	58.75	12.50
Node 698	20.00	58.75	12.50
Node 699	11.50	58.75	12.50
Node 700	15.00	58.75	12.50
Node 701	8.50	58.75	12.50
Node 702	10.00	58.75	12.50
Node 703	0.00	58.75	12.50
Node 704	0.00	58.75	12.20
Node 705	0.00	58.75	12.80
Node 706	20.00	58.75	12.80
Node 707	5.00	58.75	12.80
Node 708	10.00	58.75	12.80
Node 709	15.00	58.75	12.80
Node 710	10.00	58.75	12.20
Node 711	10.00	46.25	13.09
Node 712	10.00	33.75	13.29
Node 713	10.00	21.25	11.26
Node 714	0.00	52.50	6.80
Node 715	0.00	40.00	6.80
Node 716	0.00	27.50	6.80
Node 717	5.00	46.25	6.80
Node 718	15.00	46.25	6.80
Node 719	25.00	46.25	6.80
Node 720	35.00	46.25	6.80
Node 721	45.00	46.25	6.80
Node 722	55.00	46.25	6.80
Node 723	5.00	58.75	6.80
Node 724	15.00	58.75	6.80

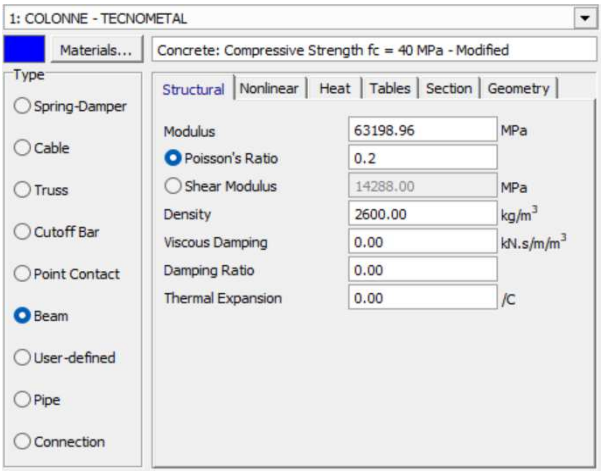
Node 327	10.00	22.50	13.41
Node 328	15.00	22.50	13.41
Node 329	0.00	21.25	13.06
Node 330	5.00	21.25	13.06
Node 331	10.00	21.25	13.06
Node 332	15.00	21.25	13.06
Node 333	0.00	53.75	14.40
Node 334	5.00	53.75	14.40
Node 335	20.00	53.75	14.40
Node 336	10.00	53.75	14.40
Node 337	15.00	53.75	14.40
Node 338	0.00	52.50	14.50
Node 339	5.00	52.50	14.50
Node 340	20.00	52.50	14.50
Node 341	10.00	52.50	14.50
Node 342	15.00	52.50	14.50
Node 343	0.00	51.25	14.60
Node 344	5.00	51.25	14.60
Node 345	20.00	51.25	14.60
Node 346	10.00	51.25	14.60
Node 347	15.00	51.25	14.60
Node 348	0.00	33.75	15.09
Node 349	5.00	33.75	15.09
Node 350	20.00	33.75	15.09
Node 351	10.00	33.75	15.09
Node 352	15.00	33.75	15.09
Node 353	0.00	32.50	14.99
Node 354	5.00	32.50	14.99
Node 355	20.00	32.50	14.99
Node 356	10.00	32.50	14.99
Node 357	15.00	32.50	14.99
Node 358	0.00	31.25	14.89
Node 359	5.00	31.25	14.89
Node 360	20.00	31.25	14.89
Node 361	10.00	31.25	14.89
Node 362	15.00	31.25	14.89
Node 363	0.00	48.75	14.76
Node 364	5.00	48.75	14.76
Node 365	20.00	48.75	14.76
Node 366	10.00	48.75	14.76
Node 367	15.00	48.75	14.76
Node 368	0.00	47.50	14.82
Node 369	5.00	47.50	14.82
Node 370	20.00	47.50	14.82
Node 371	10.00	47.50	14.82
Node 372	15.00	47.50	14.82
Node 373	0.00	46.25	14.89
Node 374	5.00	46.25	14.89
Node 375	20.00	46.25	14.89
Node 376	10.00	46.25	14.89

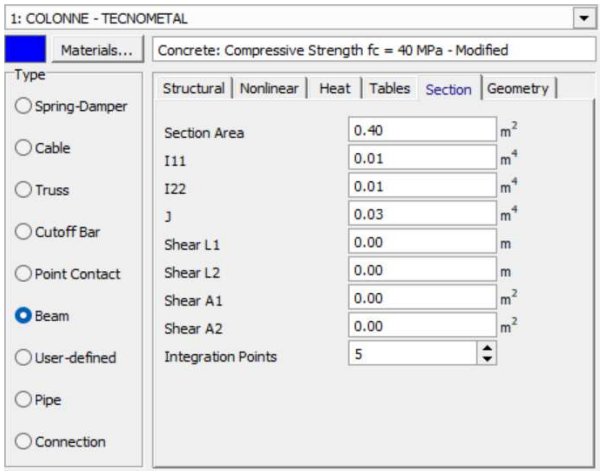
Node 725	5.00	33.75	6.80
Node 726	15.00	33.75	6.80
Node 727	25.00	33.75	6.80
Node 728	35.00	33.75	6.80
Node 729	45.00	33.75	6.80
Node 730	55.00	33.75	6.80
Node 731	5.00	21.25	6.80
Node 732	15.00	21.25	6.80
Node 733	10.00	52.50	6.80
Node 734	10.00	40.00	6.80
Node 735	10.00	27.50	6.80
Node 736	20.00	52.50	6.80
Node 737	20.00	40.00	6.80
Node 738	20.00	27.50	6.80
Node 739	30.00	52.50	6.80
Node 740	30.00	40.00	6.80
Node 741	30.00	27.50	6.80
Node 742	40.00	52.50	6.80
Node 743	50.00	52.50	6.80
Node 744	60.00	52.50	6.80
Node 745	40.00	40.00	6.80
Node 746	50.00	40.00	6.80
Node 747	60.00	40.00	6.80
Node 748	40.00	27.50	6.80
Node 749	50.00	27.50	6.80
Node 750	60.00	27.50	6.80
Node 751	20.00	55.00	6.80
Node 752	20.00	50.00	6.80
Node 753	20.00	45.00	6.80
Node 754	20.00	35.00	6.80
Node 755	20.00	30.00	6.80
Node 756	20.00	25.00	6.80
Node 757	30.00	47.24	6.80
Node 758	40.00	47.24	6.80
Node 759	50.00	47.24	6.80
Node 760	60.00	47.24	6.80
Node 761	30.00	45.26	6.80
Node 762	40.00	45.26	6.80
Node 763	50.00	45.26	6.80
Node 764	60.00	45.26	6.80
Node 765	5.00	52.50	6.80
Node 766	15.00	52.50	6.80
Node 767	25.00	52.50	6.80
Node 768	35.00	52.50	6.80
Node 769	45.00	52.50	6.80
Node 770	55.00	52.50	6.80
Node 771	5.00	40.00	6.80
Node 772	5.00	27.50	6.80
Node 773	15.00	40.00	6.80
Node 774	15.00	27.50	6.80

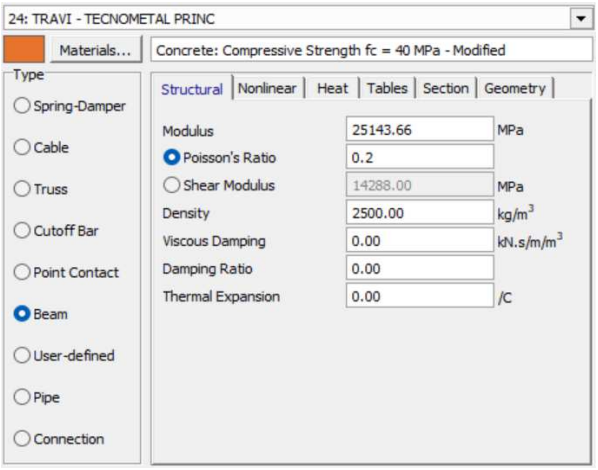
Node 377	15.00	46.25	14.89
Node 378	0.00	28.75	14.62
Node 379	5.00	28.75	14.62
Node 380	20.00	28.75	14.62
Node 381	10.00	28.75	14.62
Node 382	15.00	28.75	14.62
Node 383	0.00	27.50	14.46
Node 384	5.00	27.50	14.46
Node 385	20.00	27.50	14.46
Node 386	10.00	27.50	14.46
Node 387	15.00	27.50	14.46
Node 388	0.00	26.25	14.29
Node 389	5.00	26.25	14.29
Node 390	20.00	26.25	14.29
Node 391	10.00	26.25	14.29
Node 392	15.00	26.25	14.29
Node 393	0.00	58.75	14.00
Node 394	5.00	58.75	14.00

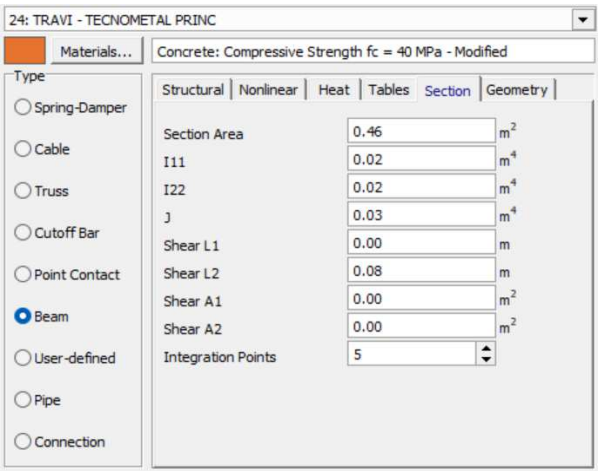
Node 775	25.00	40.00	6.80
Node 776	25.00	27.50	6.80
Node 777	35.00	40.00	6.80
Node 778	35.00	27.50	6.80
Node 779	45.00	40.00	6.80
Node 780	45.00	27.50	6.80
Node 781	55.00	40.00	6.80
Node 782	55.00	27.50	6.80

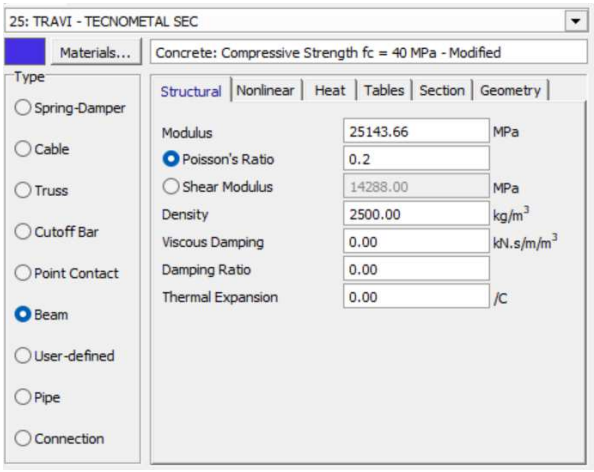
Proprietà delle sezioni utilizzate

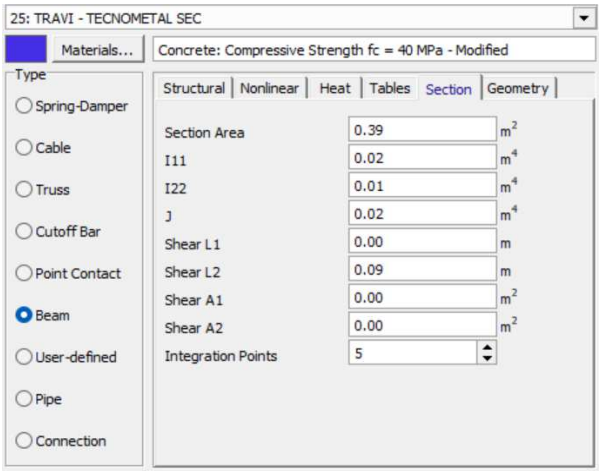












2: PRINCIPALI - LAMELLARE

Materials... GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	kN.s/m/m^3
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

2: PRINCIPALI - LAMELLARE

Materials... GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.336000	m^2
I11	0.079027	m^4
I22	0.001120	m^4
J	0.004147	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.000000	m^2
Shear A2	0.000000	m^2
Integration Points	5	

5: ARCARECCI - LAMELLARE

Materials... GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	kN.s/m/m^3
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

5: ARCARECCI - LAMELLARE

Materials... GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032000	m^2
I11	0.000107	m^4
I22	0.000068	m^4
J	0.000145	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.000000	m^2
Shear A2	0.000000	m^2
Integration Points	5	

8: CONTROVENTI

Materials... GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Include Torsional Stiffness		
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	kN.s/m/m^3
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

8: CONTROVENTI

Materials... GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032400	m^2
J	0.000148	m^4
Integration Points	5	

3: PRINCIPALI - ACCIAIO

Materials... Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	206000.000000	MPa
Poisson's Ratio	0.2875	
Shear Modulus	80000.000000	MPa
Density	7860.000000	kg/m^3
Viscous Damping	0.000000	kN.s/m/m^3
Damping Ratio	0.000000	
Thermal Expansion	0.000012	/C

3: PRINCIPALI - ACCIAIO

Materials... Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.026700	m^2
I11	0.001410	m^4
I22	0.000861	m^4
J	0.001606	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.013246	m^2
Shear A2	0.013651	m^2
Integration Points	5	

Definizione delle aste

	Type	Property	ID	Angle	N1	N2
				(deg)		
Beam 33	Beam2	4: FICT 1	0	0	27	30
Beam 34	Beam2	4: FICT 1	0	0	28	31
Beam 35	Beam2	4: FICT 1	0	0	29	32
Beam 36	Beam2	21: FICT 3	0	0	34	32
Beam 37	Beam2	21: FICT 3	0	0	33	31
Beam 38	Beam2	21: FICT 3	0	0	35	30
Beam 71	Beam2	2: PRINCIPALI - LAMELLARE	0	90	62	63
Beam 72	Beam2	2: PRINCIPALI - LAMELLARE	0	90	63	64
Beam 73	Beam2	4: FICT 1	0	0	62	67
Beam 74	Beam2	4: FICT 1	0	0	63	65
Beam 75	Beam2	4: FICT 1	0	0	64	66
Beam 76	Beam2	21: FICT 3	0	0	68	65
Beam 77	Beam2	21: FICT 3	0	0	69	67
Beam 78	Beam2	21: FICT 3	0	0	70	66
Beam 79	Beam2	1: COLONNE - TECNOMETAL	0	0	71	99
Beam 80	Beam2	1: COLONNE - TECNOMETAL	0	0	72	100
Beam 81	Beam2	1: COLONNE - TECNOMETAL	0	0	73	56
Beam 82	Beam2	1: COLONNE - TECNOMETAL	0	0	74	58
Beam 83	Beam2	1: COLONNE - TECNOMETAL	0	0	75	26
Beam 84	Beam2	1: COLONNE - TECNOMETAL	0	0	76	25
Beam 85	Beam2	1: COLONNE - TECNOMETAL	0	0	77	101
Beam 86	Beam2	1: COLONNE - TECNOMETAL	0	0	78	102
Beam 87	Beam2	1: COLONNE - TECNOMETAL	0	0	79	103
Beam 88	Beam2	1: COLONNE - TECNOMETAL	0	0	80	104
Beam 89	Beam2	1: COLONNE - TECNOMETAL	0	0	81	105
Beam 90	Beam2	1: COLONNE - TECNOMETAL	0	0	82	106
Beam 91	Beam2	1: COLONNE - TECNOMETAL	0	0	83	107
Beam 92	Beam2	1: COLONNE - TECNOMETAL	0	0	84	108
Beam 93	Beam2	1: COLONNE - TECNOMETAL	0	0	85	109
Beam 94	Beam2	1: COLONNE - TECNOMETAL	0	0	86	110
Beam 95	Beam2	1: COLONNE - TECNOMETAL	0	0	87	111
Beam 96	Beam2	1: COLONNE - TECNOMETAL	0	0	88	112
Beam 97	Beam2	1: COLONNE - TECNOMETAL	0	0	89	113
Beam 98	Beam2	1: COLONNE - TECNOMETAL	0	0	90	114
Beam 99	Beam2	1: COLONNE - TECNOMETAL	0	0	91	48
Beam 100	Beam2	1: COLONNE - TECNOMETAL	0	0	92	50
Beam 101	Beam2	1: COLONNE - TECNOMETAL	0	0	93	19
Beam 102	Beam2	1: COLONNE - TECNOMETAL	0	0	94	18
Beam 103	Beam2	1: COLONNE - TECNOMETAL	0	0	95	115
Beam 104	Beam2	1: COLONNE - TECNOMETAL	0	0	96	116
Beam 105	Beam2	1: COLONNE - TECNOMETAL	0	0	97	60
Beam 106	Beam2	1: COLONNE - TECNOMETAL	0	0	98	24
Beam 107	Beam2	2: PRINCIPALI - LAMELLARE	0	90	117	118
Beam 108	Beam2	2: PRINCIPALI - LAMELLARE	0	90	119	120

Beam 109	Beam2	2: PRINCIPALI - LAMELLARE	0	90	121	122
Beam 110	Beam2	2: PRINCIPALI - LAMELLARE	0	90	123	124
Beam 111	Beam2	2: PRINCIPALI - LAMELLARE	0	90	125	126
Beam 112	Beam2	2: PRINCIPALI - LAMELLARE	0	90	127	128
Beam 113	Beam2	2: PRINCIPALI - LAMELLARE	0	90	129	130
Beam 114	Beam2	2: PRINCIPALI - LAMELLARE	0	90	131	132
Beam 115	Beam2	2: PRINCIPALI - LAMELLARE	0	90	133	134
Beam 116	Beam2	2: PRINCIPALI - LAMELLARE	0	90	29	135
Beam 117	Beam2	2: PRINCIPALI - LAMELLARE	0	90	136	137
Beam 118	Beam2	2: PRINCIPALI - LAMELLARE	0	90	138	139
Beam 119	Beam2	2: PRINCIPALI - LAMELLARE	0	90	140	141
Beam 120	Beam2	2: PRINCIPALI - LAMELLARE	0	90	142	143
Beam 121	Beam2	2: PRINCIPALI - LAMELLARE	0	90	144	145
Beam 122	Beam2	2: PRINCIPALI - LAMELLARE	0	90	146	147
Beam 123	Beam2	2: PRINCIPALI - LAMELLARE	0	90	148	149
Beam 124	Beam2	2: PRINCIPALI - LAMELLARE	0	90	150	151
Beam 125	Beam2	2: PRINCIPALI - LAMELLARE	0	90	152	153
Beam 126	Beam2	2: PRINCIPALI - LAMELLARE	0	90	154	155
Beam 127	Beam2	2: PRINCIPALI - LAMELLARE	0	90	156	157
Beam 128	Beam2	2: PRINCIPALI - LAMELLARE	0	90	158	159
Beam 129	Beam2	2: PRINCIPALI - LAMELLARE	0	90	160	161
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	162	163
Beam 131	Beam2	2: PRINCIPALI - LAMELLARE	0	90	164	165
Beam 132	Beam2	2: PRINCIPALI - LAMELLARE	0	90	166	167
Beam 133	Beam2	2: PRINCIPALI - LAMELLARE	0	90	168	169
Beam 134	Beam2	2: PRINCIPALI - LAMELLARE	0	90	170	171
Beam 135	Beam2	2: PRINCIPALI - LAMELLARE	0	90	172	173
Beam 136	Beam2	2: PRINCIPALI - LAMELLARE	0	90	174	175
Beam 137	Beam2	2: PRINCIPALI - LAMELLARE	0	90	176	177
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	178	179
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	180	181
Beam 140	Beam2	2: PRINCIPALI - LAMELLARE	0	90	182	183
Beam 141	Beam2	2: PRINCIPALI - LAMELLARE	0	90	62	184
Beam 142	Beam2	2: PRINCIPALI - LAMELLARE	0	90	185	186
Beam 143	Beam2	2: PRINCIPALI - LAMELLARE	0	90	187	188
Beam 144	Beam2	2: PRINCIPALI - LAMELLARE	0	90	189	190
Beam 145	Beam2	2: PRINCIPALI - LAMELLARE	0	90	191	192
Beam 146	Beam2	2: PRINCIPALI - LAMELLARE	0	90	193	194
Beam 147	Beam2	2: PRINCIPALI - LAMELLARE	0	90	157	195
Beam 148	Beam2	2: PRINCIPALI - LAMELLARE	0	90	195	196
Beam 149	Beam2	2: PRINCIPALI - LAMELLARE	0	90	196	117
Beam 150	Beam2	2: PRINCIPALI - LAMELLARE	0	90	159	197
Beam 151	Beam2	2: PRINCIPALI - LAMELLARE	0	90	197	198
Beam 152	Beam2	2: PRINCIPALI - LAMELLARE	0	90	198	119
Beam 153	Beam2	2: PRINCIPALI - LAMELLARE	0	90	161	199
Beam 154	Beam2	2: PRINCIPALI - LAMELLARE	0	90	199	200
Beam 155	Beam2	2: PRINCIPALI - LAMELLARE	0	90	200	121
Beam 156	Beam2	2: PRINCIPALI - LAMELLARE	0	90	163	201
Beam 157	Beam2	2: PRINCIPALI - LAMELLARE	0	90	165	202
Beam 158	Beam2	2: PRINCIPALI - LAMELLARE	0	90	201	203

Beam 159	Beam2	2: PRINCIPALI - LAMELLARE	0	90	202	204
Beam 160	Beam2	2: PRINCIPALI - LAMELLARE	0	90	203	123
Beam 161	Beam2	2: PRINCIPALI - LAMELLARE	0	90	204	125
Beam 162	Beam2	2: PRINCIPALI - LAMELLARE	0	90	167	205
Beam 163	Beam2	2: PRINCIPALI - LAMELLARE	0	90	205	206
Beam 164	Beam2	2: PRINCIPALI - LAMELLARE	0	90	206	127
Beam 165	Beam2	2: PRINCIPALI - LAMELLARE	0	90	169	207
Beam 166	Beam2	2: PRINCIPALI - LAMELLARE	0	90	207	208
Beam 167	Beam2	2: PRINCIPALI - LAMELLARE	0	90	208	129
Beam 168	Beam2	2: PRINCIPALI - LAMELLARE	0	90	171	209
Beam 169	Beam2	2: PRINCIPALI - LAMELLARE	0	90	209	210
Beam 170	Beam2	2: PRINCIPALI - LAMELLARE	0	90	210	131
Beam 171	Beam2	2: PRINCIPALI - LAMELLARE	0	90	173	211
Beam 172	Beam2	2: PRINCIPALI - LAMELLARE	0	90	175	27
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	211	212
Beam 174	Beam2	2: PRINCIPALI - LAMELLARE	0	90	27	28
Beam 175	Beam2	2: PRINCIPALI - LAMELLARE	0	90	212	133
Beam 176	Beam2	2: PRINCIPALI - LAMELLARE	0	90	28	29
Beam 177	Beam2	2: PRINCIPALI - LAMELLARE	0	90	177	213
Beam 178	Beam2	2: PRINCIPALI - LAMELLARE	0	90	213	214
Beam 179	Beam2	2: PRINCIPALI - LAMELLARE	0	90	214	136
Beam 180	Beam2	2: PRINCIPALI - LAMELLARE	0	90	179	215
Beam 181	Beam2	2: PRINCIPALI - LAMELLARE	0	90	215	216
Beam 182	Beam2	2: PRINCIPALI - LAMELLARE	0	90	216	138
Beam 183	Beam2	2: PRINCIPALI - LAMELLARE	0	90	181	217
Beam 184	Beam2	2: PRINCIPALI - LAMELLARE	0	90	217	218
Beam 185	Beam2	2: PRINCIPALI - LAMELLARE	0	90	218	140
Beam 186	Beam2	2: PRINCIPALI - LAMELLARE	0	90	183	219
Beam 187	Beam2	2: PRINCIPALI - LAMELLARE	0	90	184	220
Beam 188	Beam2	2: PRINCIPALI - LAMELLARE	0	90	219	221
Beam 189	Beam2	2: PRINCIPALI - LAMELLARE	0	90	220	222
Beam 190	Beam2	2: PRINCIPALI - LAMELLARE	0	90	221	142
Beam 191	Beam2	2: PRINCIPALI - LAMELLARE	0	90	222	144
Beam 192	Beam2	2: PRINCIPALI - LAMELLARE	0	90	186	223
Beam 193	Beam2	2: PRINCIPALI - LAMELLARE	0	90	223	224
Beam 194	Beam2	2: PRINCIPALI - LAMELLARE	0	90	224	146
Beam 195	Beam2	2: PRINCIPALI - LAMELLARE	0	90	188	225
Beam 196	Beam2	2: PRINCIPALI - LAMELLARE	0	90	225	226
Beam 197	Beam2	2: PRINCIPALI - LAMELLARE	0	90	226	148
Beam 198	Beam2	2: PRINCIPALI - LAMELLARE	0	90	190	227
Beam 199	Beam2	2: PRINCIPALI - LAMELLARE	0	90	227	228
Beam 200	Beam2	2: PRINCIPALI - LAMELLARE	0	90	228	150
Beam 201	Beam2	2: PRINCIPALI - LAMELLARE	0	90	192	229
Beam 202	Beam2	2: PRINCIPALI - LAMELLARE	0	90	194	230
Beam 203	Beam2	2: PRINCIPALI - LAMELLARE	0	90	229	231
Beam 204	Beam2	2: PRINCIPALI - LAMELLARE	0	90	230	232
Beam 205	Beam2	2: PRINCIPALI - LAMELLARE	0	90	231	152
Beam 206	Beam2	2: PRINCIPALI - LAMELLARE	0	90	232	154
Beam 207	Beam2	2: PRINCIPALI - LAMELLARE	0	90	137	233
Beam 208	Beam2	2: PRINCIPALI - LAMELLARE	0	90	233	234

Beam 209	Beam2	2: PRINCIPALI - LAMELLARE	0	90	234	156
Beam 210	Beam2	2: PRINCIPALI - LAMELLARE	0	90	139	235
Beam 211	Beam2	2: PRINCIPALI - LAMELLARE	0	90	235	236
Beam 212	Beam2	2: PRINCIPALI - LAMELLARE	0	90	236	158
Beam 213	Beam2	2: PRINCIPALI - LAMELLARE	0	90	141	237
Beam 214	Beam2	2: PRINCIPALI - LAMELLARE	0	90	237	238
Beam 215	Beam2	2: PRINCIPALI - LAMELLARE	0	90	238	160
Beam 216	Beam2	2: PRINCIPALI - LAMELLARE	0	90	143	239
Beam 217	Beam2	2: PRINCIPALI - LAMELLARE	0	90	145	240
Beam 218	Beam2	2: PRINCIPALI - LAMELLARE	0	90	239	241
Beam 219	Beam2	2: PRINCIPALI - LAMELLARE	0	90	240	242
Beam 220	Beam2	2: PRINCIPALI - LAMELLARE	0	90	241	162
Beam 221	Beam2	2: PRINCIPALI - LAMELLARE	0	90	242	164
Beam 222	Beam2	2: PRINCIPALI - LAMELLARE	0	90	147	243
Beam 223	Beam2	2: PRINCIPALI - LAMELLARE	0	90	243	244
Beam 224	Beam2	2: PRINCIPALI - LAMELLARE	0	90	244	166
Beam 225	Beam2	2: PRINCIPALI - LAMELLARE	0	90	149	245
Beam 226	Beam2	2: PRINCIPALI - LAMELLARE	0	90	245	246
Beam 227	Beam2	2: PRINCIPALI - LAMELLARE	0	90	246	168
Beam 228	Beam2	2: PRINCIPALI - LAMELLARE	0	90	151	247
Beam 229	Beam2	2: PRINCIPALI - LAMELLARE	0	90	247	248
Beam 230	Beam2	2: PRINCIPALI - LAMELLARE	0	90	248	170
Beam 231	Beam2	2: PRINCIPALI - LAMELLARE	0	90	153	249
Beam 232	Beam2	2: PRINCIPALI - LAMELLARE	0	90	155	250
Beam 233	Beam2	2: PRINCIPALI - LAMELLARE	0	90	249	251
Beam 234	Beam2	2: PRINCIPALI - LAMELLARE	0	90	250	252
Beam 235	Beam2	2: PRINCIPALI - LAMELLARE	0	90	251	172
Beam 236	Beam2	2: PRINCIPALI - LAMELLARE	0	90	252	174
Beam 237	Beam2	2: PRINCIPALI - LAMELLARE	0	90	253	258
Beam 238	Beam2	2: PRINCIPALI - LAMELLARE	0	90	258	259
Beam 239	Beam2	2: PRINCIPALI - LAMELLARE	0	90	259	176
Beam 240	Beam2	2: PRINCIPALI - LAMELLARE	0	90	254	260
Beam 241	Beam2	2: PRINCIPALI - LAMELLARE	0	90	260	261
Beam 242	Beam2	2: PRINCIPALI - LAMELLARE	0	90	261	178
Beam 243	Beam2	2: PRINCIPALI - LAMELLARE	0	90	255	262
Beam 244	Beam2	2: PRINCIPALI - LAMELLARE	0	90	262	263
Beam 245	Beam2	2: PRINCIPALI - LAMELLARE	0	90	263	180
Beam 246	Beam2	2: PRINCIPALI - LAMELLARE	0	90	256	264
Beam 247	Beam2	2: PRINCIPALI - LAMELLARE	0	90	257	64
Beam 248	Beam2	2: PRINCIPALI - LAMELLARE	0	90	264	265
Beam 249	Beam2	2: PRINCIPALI - LAMELLARE	0	90	265	182
Beam 250	Beam2	2: PRINCIPALI - LAMELLARE	0	90	118	266
Beam 251	Beam2	2: PRINCIPALI - LAMELLARE	0	90	266	267
Beam 252	Beam2	2: PRINCIPALI - LAMELLARE	0	90	267	185
Beam 253	Beam2	2: PRINCIPALI - LAMELLARE	0	90	120	268
Beam 254	Beam2	2: PRINCIPALI - LAMELLARE	0	90	268	269
Beam 255	Beam2	2: PRINCIPALI - LAMELLARE	0	90	269	187
Beam 256	Beam2	2: PRINCIPALI - LAMELLARE	0	90	122	270
Beam 257	Beam2	2: PRINCIPALI - LAMELLARE	0	90	270	271
Beam 258	Beam2	2: PRINCIPALI - LAMELLARE	0	90	271	189

Beam 259	Beam2	2: PRINCIPALI - LAMELLARE	0	90	124	272
Beam 260	Beam2	2: PRINCIPALI - LAMELLARE	0	90	126	273
Beam 261	Beam2	2: PRINCIPALI - LAMELLARE	0	90	272	274
Beam 262	Beam2	2: PRINCIPALI - LAMELLARE	0	90	273	275
Beam 263	Beam2	2: PRINCIPALI - LAMELLARE	0	90	274	191
Beam 264	Beam2	2: PRINCIPALI - LAMELLARE	0	90	275	193
Beam 265	Beam2	5: ARCARECCI - LAMELLARE	0	90	276	277
Beam 266	Beam2	5: ARCARECCI - LAMELLARE	0	90	277	279
Beam 267	Beam2	5: ARCARECCI - LAMELLARE	0	90	279	280
Beam 268	Beam2	5: ARCARECCI - LAMELLARE	0	90	280	278
Beam 269	Beam2	5: ARCARECCI - LAMELLARE	0	90	281	282
Beam 270	Beam2	5: ARCARECCI - LAMELLARE	0	90	282	284
Beam 271	Beam2	5: ARCARECCI - LAMELLARE	0	90	284	285
Beam 272	Beam2	5: ARCARECCI - LAMELLARE	0	90	285	283
Beam 273	Beam2	5: ARCARECCI - LAMELLARE	0	90	286	287
Beam 274	Beam2	5: ARCARECCI - LAMELLARE	0	90	287	289
Beam 275	Beam2	5: ARCARECCI - LAMELLARE	0	90	289	290
Beam 276	Beam2	5: ARCARECCI - LAMELLARE	0	90	290	288
Beam 277	Beam2	5: ARCARECCI - LAMELLARE	0	90	291	292
Beam 278	Beam2	5: ARCARECCI - LAMELLARE	0	90	292	294
Beam 279	Beam2	5: ARCARECCI - LAMELLARE	0	90	294	295
Beam 280	Beam2	5: ARCARECCI - LAMELLARE	0	90	295	293
Beam 281	Beam2	5: ARCARECCI - LAMELLARE	0	90	296	297
Beam 282	Beam2	5: ARCARECCI - LAMELLARE	0	90	297	299
Beam 283	Beam2	5: ARCARECCI - LAMELLARE	0	90	299	300
Beam 284	Beam2	5: ARCARECCI - LAMELLARE	0	90	300	298
Beam 285	Beam2	5: ARCARECCI - LAMELLARE	0	90	301	302
Beam 286	Beam2	5: ARCARECCI - LAMELLARE	0	90	302	304
Beam 287	Beam2	5: ARCARECCI - LAMELLARE	0	90	304	305
Beam 288	Beam2	5: ARCARECCI - LAMELLARE	0	90	305	303
Beam 289	Beam2	5: ARCARECCI - LAMELLARE	0	90	306	307
Beam 290	Beam2	5: ARCARECCI - LAMELLARE	0	90	307	309
Beam 291	Beam2	5: ARCARECCI - LAMELLARE	0	90	309	310
Beam 292	Beam2	5: ARCARECCI - LAMELLARE	0	90	310	308
Beam 293	Beam2	5: ARCARECCI - LAMELLARE	0	90	311	312
Beam 294	Beam2	5: ARCARECCI - LAMELLARE	0	90	312	314
Beam 295	Beam2	5: ARCARECCI - LAMELLARE	0	90	314	315
Beam 296	Beam2	5: ARCARECCI - LAMELLARE	0	90	315	313
Beam 297	Beam2	5: ARCARECCI - LAMELLARE	0	90	316	317
Beam 298	Beam2	5: ARCARECCI - LAMELLARE	0	90	317	319
Beam 299	Beam2	5: ARCARECCI - LAMELLARE	0	90	319	320
Beam 300	Beam2	5: ARCARECCI - LAMELLARE	0	90	320	318
Beam 301	Beam2	5: ARCARECCI - LAMELLARE	0	90	321	322
Beam 302	Beam2	5: ARCARECCI - LAMELLARE	0	90	322	323
Beam 303	Beam2	5: ARCARECCI - LAMELLARE	0	90	323	324
Beam 304	Beam2	5: ARCARECCI - LAMELLARE	0	90	324	30
Beam 305	Beam2	5: ARCARECCI - LAMELLARE	0	90	325	326
Beam 306	Beam2	5: ARCARECCI - LAMELLARE	0	90	326	327
Beam 307	Beam2	5: ARCARECCI - LAMELLARE	0	90	327	328
Beam 308	Beam2	5: ARCARECCI - LAMELLARE	0	90	328	31

Beam 309	Beam2	5: ARCARECCI - LAMELLARE	0	90	329	330
Beam 310	Beam2	5: ARCARECCI - LAMELLARE	0	90	330	331
Beam 311	Beam2	5: ARCARECCI - LAMELLARE	0	90	331	332
Beam 312	Beam2	5: ARCARECCI - LAMELLARE	0	90	332	32
Beam 313	Beam2	5: ARCARECCI - LAMELLARE	0	90	333	334
Beam 314	Beam2	5: ARCARECCI - LAMELLARE	0	90	334	336
Beam 315	Beam2	5: ARCARECCI - LAMELLARE	0	90	336	337
Beam 316	Beam2	5: ARCARECCI - LAMELLARE	0	90	337	335
Beam 317	Beam2	5: ARCARECCI - LAMELLARE	0	90	338	339
Beam 318	Beam2	5: ARCARECCI - LAMELLARE	0	90	339	341
Beam 319	Beam2	5: ARCARECCI - LAMELLARE	0	90	341	342
Beam 320	Beam2	5: ARCARECCI - LAMELLARE	0	90	342	340
Beam 321	Beam2	5: ARCARECCI - LAMELLARE	0	90	343	344
Beam 322	Beam2	5: ARCARECCI - LAMELLARE	0	90	344	346
Beam 323	Beam2	5: ARCARECCI - LAMELLARE	0	90	346	347
Beam 324	Beam2	5: ARCARECCI - LAMELLARE	0	90	347	345
Beam 325	Beam2	5: ARCARECCI - LAMELLARE	0	90	348	349
Beam 326	Beam2	5: ARCARECCI - LAMELLARE	0	90	349	351
Beam 327	Beam2	5: ARCARECCI - LAMELLARE	0	90	351	352
Beam 328	Beam2	5: ARCARECCI - LAMELLARE	0	90	352	350
Beam 329	Beam2	5: ARCARECCI - LAMELLARE	0	90	353	354
Beam 330	Beam2	5: ARCARECCI - LAMELLARE	0	90	354	356
Beam 331	Beam2	5: ARCARECCI - LAMELLARE	0	90	356	357
Beam 332	Beam2	5: ARCARECCI - LAMELLARE	0	90	357	355
Beam 333	Beam2	5: ARCARECCI - LAMELLARE	0	90	358	359
Beam 334	Beam2	5: ARCARECCI - LAMELLARE	0	90	359	361
Beam 335	Beam2	5: ARCARECCI - LAMELLARE	0	90	361	362
Beam 336	Beam2	5: ARCARECCI - LAMELLARE	0	90	362	360
Beam 337	Beam2	5: ARCARECCI - LAMELLARE	0	90	363	364
Beam 338	Beam2	5: ARCARECCI - LAMELLARE	0	90	364	366
Beam 339	Beam2	5: ARCARECCI - LAMELLARE	0	90	366	367
Beam 340	Beam2	5: ARCARECCI - LAMELLARE	0	90	367	365
Beam 341	Beam2	5: ARCARECCI - LAMELLARE	0	90	368	369
Beam 342	Beam2	5: ARCARECCI - LAMELLARE	0	90	369	371
Beam 343	Beam2	5: ARCARECCI - LAMELLARE	0	90	371	372
Beam 344	Beam2	5: ARCARECCI - LAMELLARE	0	90	372	370
Beam 345	Beam2	5: ARCARECCI - LAMELLARE	0	90	373	374
Beam 346	Beam2	5: ARCARECCI - LAMELLARE	0	90	374	376
Beam 347	Beam2	5: ARCARECCI - LAMELLARE	0	90	376	377
Beam 348	Beam2	5: ARCARECCI - LAMELLARE	0	90	377	375
Beam 349	Beam2	5: ARCARECCI - LAMELLARE	0	90	378	379
Beam 350	Beam2	5: ARCARECCI - LAMELLARE	0	90	379	381
Beam 351	Beam2	5: ARCARECCI - LAMELLARE	0	90	381	382
Beam 352	Beam2	5: ARCARECCI - LAMELLARE	0	90	382	380
Beam 353	Beam2	5: ARCARECCI - LAMELLARE	0	90	383	384
Beam 354	Beam2	5: ARCARECCI - LAMELLARE	0	90	384	386
Beam 355	Beam2	5: ARCARECCI - LAMELLARE	0	90	386	387
Beam 356	Beam2	5: ARCARECCI - LAMELLARE	0	90	387	385
Beam 357	Beam2	5: ARCARECCI - LAMELLARE	0	90	388	389
Beam 358	Beam2	5: ARCARECCI - LAMELLARE	0	90	389	391

Beam 359	Beam2	5: ARCARECCI - LAMELLARE	0	90	391	392
Beam 360	Beam2	5: ARCARECCI - LAMELLARE	0	90	392	390
Beam 361	Beam2	5: ARCARECCI - LAMELLARE	0	90	393	394
Beam 362	Beam2	5: ARCARECCI - LAMELLARE	0	90	394	395
Beam 363	Beam2	5: ARCARECCI - LAMELLARE	0	90	395	396
Beam 364	Beam2	5: ARCARECCI - LAMELLARE	0	90	396	66
Beam 365	Beam2	5: ARCARECCI - LAMELLARE	0	90	397	398
Beam 366	Beam2	5: ARCARECCI - LAMELLARE	0	90	398	399
Beam 367	Beam2	5: ARCARECCI - LAMELLARE	0	90	399	400
Beam 368	Beam2	5: ARCARECCI - LAMELLARE	0	90	400	65
Beam 369	Beam2	5: ARCARECCI - LAMELLARE	0	90	401	402
Beam 370	Beam2	5: ARCARECCI - LAMELLARE	0	90	402	403
Beam 371	Beam2	5: ARCARECCI - LAMELLARE	0	90	403	404
Beam 372	Beam2	5: ARCARECCI - LAMELLARE	0	90	404	67
Beam 373	Beam2	5: ARCARECCI - LAMELLARE	0	90	405	406
Beam 374	Beam2	5: ARCARECCI - LAMELLARE	0	90	406	408
Beam 375	Beam2	5: ARCARECCI - LAMELLARE	0	90	408	409
Beam 376	Beam2	5: ARCARECCI - LAMELLARE	0	90	409	407
Beam 377	Beam2	5: ARCARECCI - LAMELLARE	0	90	410	411
Beam 378	Beam2	5: ARCARECCI - LAMELLARE	0	90	411	413
Beam 379	Beam2	5: ARCARECCI - LAMELLARE	0	90	413	414
Beam 380	Beam2	5: ARCARECCI - LAMELLARE	0	90	414	412
Beam 381	Beam2	5: ARCARECCI - LAMELLARE	0	90	415	416
Beam 382	Beam2	5: ARCARECCI - LAMELLARE	0	90	416	418
Beam 383	Beam2	5: ARCARECCI - LAMELLARE	0	90	418	419
Beam 384	Beam2	5: ARCARECCI - LAMELLARE	0	90	419	417
Beam 385	Beam2	5: ARCARECCI - LAMELLARE	0	90	420	421
Beam 386	Beam2	5: ARCARECCI - LAMELLARE	0	90	421	423
Beam 387	Beam2	5: ARCARECCI - LAMELLARE	0	90	423	424
Beam 388	Beam2	5: ARCARECCI - LAMELLARE	0	90	424	422
Beam 389	Beam2	5: ARCARECCI - LAMELLARE	0	90	425	426
Beam 390	Beam2	5: ARCARECCI - LAMELLARE	0	90	426	428
Beam 391	Beam2	5: ARCARECCI - LAMELLARE	0	90	428	429
Beam 392	Beam2	5: ARCARECCI - LAMELLARE	0	90	429	427
Beam 393	Beam2	5: ARCARECCI - LAMELLARE	0	90	430	431
Beam 394	Beam2	5: ARCARECCI - LAMELLARE	0	90	431	433
Beam 395	Beam2	5: ARCARECCI - LAMELLARE	0	90	433	434
Beam 396	Beam2	5: ARCARECCI - LAMELLARE	0	90	434	432
Beam 397	Beam2	8: CONTROVENTI	0	0	430	297
Beam 398	Beam2	8: CONTROVENTI	0	0	297	276
Beam 399	Beam2	8: CONTROVENTI	0	0	276	287
Beam 400	Beam2	8: CONTROVENTI	0	0	287	425
Beam 401	Beam2	8: CONTROVENTI	0	0	425	302
Beam 402	Beam2	8: CONTROVENTI	0	0	302	281
Beam 403	Beam2	8: CONTROVENTI	0	0	281	292
Beam 404	Beam2	8: CONTROVENTI	0	0	292	420
Beam 405	Beam2	8: CONTROVENTI	0	0	422	295
Beam 406	Beam2	8: CONTROVENTI	0	0	295	283
Beam 407	Beam2	8: CONTROVENTI	0	0	283	305
Beam 408	Beam2	8: CONTROVENTI	0	0	305	427

Beam 409	Beam2	8: CONTROVENTI	0	0	427	290
Beam 410	Beam2	8: CONTROVENTI	0	0	290	278
Beam 411	Beam2	8: CONTROVENTI	0	0	278	300
Beam 412	Beam2	8: CONTROVENTI	0	0	300	432
Beam 469	Beam2	4: FICT 1	0	0	117	317
Beam 470	Beam2	4: FICT 1	0	0	118	426
Beam 471	Beam2	4: FICT 1	0	0	119	319
Beam 472	Beam2	4: FICT 1	0	0	120	428
Beam 473	Beam2	4: FICT 1	0	0	121	320
Beam 474	Beam2	4: FICT 1	0	0	122	429
Beam 475	Beam2	4: FICT 1	0	0	123	316
Beam 476	Beam2	4: FICT 1	0	0	125	318
Beam 477	Beam2	4: FICT 1	0	0	124	425
Beam 478	Beam2	4: FICT 1	0	0	126	427
Beam 479	Beam2	4: FICT 1	0	0	127	330
Beam 480	Beam2	4: FICT 1	0	0	128	421
Beam 481	Beam2	4: FICT 1	0	0	129	331
Beam 482	Beam2	4: FICT 1	0	0	130	423
Beam 483	Beam2	4: FICT 1	0	0	131	332
Beam 484	Beam2	4: FICT 1	0	0	132	424
Beam 485	Beam2	4: FICT 1	0	0	133	329
Beam 486	Beam2	4: FICT 1	0	0	134	420
Beam 487	Beam2	4: FICT 1	0	0	135	422
Beam 488	Beam2	4: FICT 1	0	0	136	344
Beam 489	Beam2	4: FICT 1	0	0	137	277
Beam 490	Beam2	4: FICT 1	0	0	138	346
Beam 491	Beam2	4: FICT 1	0	0	139	279
Beam 492	Beam2	4: FICT 1	0	0	140	347
Beam 493	Beam2	4: FICT 1	0	0	141	280
Beam 494	Beam2	4: FICT 1	0	0	142	343
Beam 495	Beam2	4: FICT 1	0	0	144	345
Beam 496	Beam2	4: FICT 1	0	0	143	276
Beam 497	Beam2	4: FICT 1	0	0	145	278
Beam 498	Beam2	4: FICT 1	0	0	146	359
Beam 499	Beam2	4: FICT 1	0	0	147	282
Beam 500	Beam2	4: FICT 1	0	0	148	361
Beam 501	Beam2	4: FICT 1	0	0	149	284
Beam 502	Beam2	4: FICT 1	0	0	150	362
Beam 503	Beam2	4: FICT 1	0	0	151	285
Beam 504	Beam2	4: FICT 1	0	0	152	358
Beam 505	Beam2	4: FICT 1	0	0	154	360
Beam 506	Beam2	4: FICT 1	0	0	153	281
Beam 507	Beam2	4: FICT 1	0	0	155	283
Beam 508	Beam2	4: FICT 1	0	0	156	374
Beam 509	Beam2	4: FICT 1	0	0	157	287
Beam 510	Beam2	4: FICT 1	0	0	158	376
Beam 511	Beam2	4: FICT 1	0	0	159	289
Beam 512	Beam2	4: FICT 1	0	0	160	377
Beam 513	Beam2	4: FICT 1	0	0	161	290
Beam 514	Beam2	4: FICT 1	0	0	162	373

Beam 515	Beam2	4: FICT 1	0	0	164	375
Beam 516	Beam2	4: FICT 1	0	0	163	286
Beam 517	Beam2	4: FICT 1	0	0	165	288
Beam 518	Beam2	4: FICT 1	0	0	166	389
Beam 519	Beam2	4: FICT 1	0	0	167	292
Beam 520	Beam2	4: FICT 1	0	0	168	391
Beam 521	Beam2	4: FICT 1	0	0	169	294
Beam 522	Beam2	4: FICT 1	0	0	170	392
Beam 523	Beam2	4: FICT 1	0	0	171	295
Beam 524	Beam2	4: FICT 1	0	0	172	388
Beam 525	Beam2	4: FICT 1	0	0	174	390
Beam 526	Beam2	4: FICT 1	0	0	173	291
Beam 527	Beam2	4: FICT 1	0	0	175	293
Beam 528	Beam2	4: FICT 1	0	0	176	402
Beam 529	Beam2	4: FICT 1	0	0	177	297
Beam 530	Beam2	4: FICT 1	0	0	178	403
Beam 531	Beam2	4: FICT 1	0	0	179	299
Beam 532	Beam2	4: FICT 1	0	0	180	404
Beam 533	Beam2	4: FICT 1	0	0	181	300
Beam 534	Beam2	4: FICT 1	0	0	182	401
Beam 535	Beam2	4: FICT 1	0	0	183	296
Beam 536	Beam2	4: FICT 1	0	0	184	298
Beam 537	Beam2	4: FICT 1	0	0	185	416
Beam 538	Beam2	4: FICT 1	0	0	186	302
Beam 539	Beam2	4: FICT 1	0	0	187	418
Beam 540	Beam2	4: FICT 1	0	0	188	304
Beam 541	Beam2	4: FICT 1	0	0	189	419
Beam 542	Beam2	4: FICT 1	0	0	190	305
Beam 543	Beam2	4: FICT 1	0	0	191	415
Beam 544	Beam2	4: FICT 1	0	0	193	417
Beam 545	Beam2	4: FICT 1	0	0	192	301
Beam 546	Beam2	4: FICT 1	0	0	194	303
Beam 547	Beam2	4: FICT 1	0	0	195	307
Beam 548	Beam2	4: FICT 1	0	0	196	312
Beam 549	Beam2	4: FICT 1	0	0	197	309
Beam 550	Beam2	4: FICT 1	0	0	198	314
Beam 551	Beam2	4: FICT 1	0	0	199	310
Beam 552	Beam2	4: FICT 1	0	0	200	315
Beam 553	Beam2	4: FICT 1	0	0	201	306
Beam 554	Beam2	4: FICT 1	0	0	202	308
Beam 555	Beam2	4: FICT 1	0	0	203	311
Beam 556	Beam2	4: FICT 1	0	0	204	313
Beam 557	Beam2	4: FICT 1	0	0	205	322
Beam 558	Beam2	4: FICT 1	0	0	206	326
Beam 559	Beam2	4: FICT 1	0	0	207	323
Beam 560	Beam2	4: FICT 1	0	0	208	327
Beam 561	Beam2	4: FICT 1	0	0	209	324
Beam 562	Beam2	4: FICT 1	0	0	210	328
Beam 563	Beam2	4: FICT 1	0	0	211	321
Beam 564	Beam2	4: FICT 1	0	0	212	325

Beam 565	Beam2	4: FICT 1	0	0	213	334
Beam 566	Beam2	4: FICT 1	0	0	214	339
Beam 567	Beam2	4: FICT 1	0	0	215	336
Beam 568	Beam2	4: FICT 1	0	0	216	341
Beam 569	Beam2	4: FICT 1	0	0	217	337
Beam 570	Beam2	4: FICT 1	0	0	218	342
Beam 571	Beam2	4: FICT 1	0	0	219	333
Beam 572	Beam2	4: FICT 1	0	0	220	335
Beam 573	Beam2	4: FICT 1	0	0	221	338
Beam 574	Beam2	4: FICT 1	0	0	222	340
Beam 575	Beam2	4: FICT 1	0	0	223	349
Beam 576	Beam2	4: FICT 1	0	0	224	354
Beam 577	Beam2	4: FICT 1	0	0	225	351
Beam 578	Beam2	4: FICT 1	0	0	226	356
Beam 579	Beam2	4: FICT 1	0	0	227	352
Beam 580	Beam2	4: FICT 1	0	0	228	357
Beam 581	Beam2	4: FICT 1	0	0	229	348
Beam 582	Beam2	4: FICT 1	0	0	230	350
Beam 583	Beam2	4: FICT 1	0	0	231	353
Beam 584	Beam2	4: FICT 1	0	0	232	355
Beam 585	Beam2	4: FICT 1	0	0	233	364
Beam 586	Beam2	4: FICT 1	0	0	234	369
Beam 587	Beam2	4: FICT 1	0	0	235	366
Beam 588	Beam2	4: FICT 1	0	0	236	371
Beam 589	Beam2	4: FICT 1	0	0	237	367
Beam 590	Beam2	4: FICT 1	0	0	238	372
Beam 591	Beam2	4: FICT 1	0	0	239	363
Beam 592	Beam2	4: FICT 1	0	0	240	365
Beam 593	Beam2	4: FICT 1	0	0	241	368
Beam 594	Beam2	4: FICT 1	0	0	242	370
Beam 595	Beam2	4: FICT 1	0	0	243	379
Beam 596	Beam2	4: FICT 1	0	0	244	384
Beam 597	Beam2	4: FICT 1	0	0	245	381
Beam 598	Beam2	4: FICT 1	0	0	246	386
Beam 599	Beam2	4: FICT 1	0	0	247	382
Beam 600	Beam2	4: FICT 1	0	0	248	387
Beam 601	Beam2	4: FICT 1	0	0	249	378
Beam 602	Beam2	4: FICT 1	0	0	250	380
Beam 603	Beam2	4: FICT 1	0	0	251	383
Beam 604	Beam2	4: FICT 1	0	0	252	385
Beam 605	Beam2	4: FICT 1	0	0	253	431
Beam 606	Beam2	4: FICT 1	0	0	254	433
Beam 607	Beam2	4: FICT 1	0	0	255	434
Beam 608	Beam2	4: FICT 1	0	0	256	430
Beam 609	Beam2	4: FICT 1	0	0	257	432
Beam 610	Beam2	4: FICT 1	0	0	258	394
Beam 611	Beam2	4: FICT 1	0	0	259	398
Beam 612	Beam2	4: FICT 1	0	0	260	395
Beam 613	Beam2	4: FICT 1	0	0	261	399
Beam 614	Beam2	4: FICT 1	0	0	262	396

Beam 615	Beam2	4: FICT 1	0	0	263	400
Beam 616	Beam2	4: FICT 1	0	0	264	393
Beam 617	Beam2	4: FICT 1	0	0	265	397
Beam 618	Beam2	4: FICT 1	0	0	266	406
Beam 619	Beam2	4: FICT 1	0	0	267	411
Beam 620	Beam2	4: FICT 1	0	0	268	408
Beam 621	Beam2	4: FICT 1	0	0	269	413
Beam 622	Beam2	4: FICT 1	0	0	270	409
Beam 623	Beam2	4: FICT 1	0	0	271	414
Beam 624	Beam2	4: FICT 1	0	0	272	405
Beam 625	Beam2	4: FICT 1	0	0	273	407
Beam 626	Beam2	4: FICT 1	0	0	274	410
Beam 627	Beam2	4: FICT 1	0	0	275	412
Beam 628	Beam2	4: FICT 1	0	0	256	439
Beam 629	Beam2	4: FICT 1	0	0	477	145
Beam 630	Beam2	4: FICT 1	0	0	478	155
Beam 631	Beam2	4: FICT 1	0	0	479	165
Beam 632	Beam2	4: FICT 1	0	0	480	175
Beam 633	Beam2	4: FICT 1	0	0	481	184
Beam 634	Beam2	4: FICT 1	0	0	482	194
Beam 635	Beam2	4: FICT 1	0	0	483	143
Beam 636	Beam2	4: FICT 1	0	0	484	153
Beam 637	Beam2	4: FICT 1	0	0	485	163
Beam 638	Beam2	4: FICT 1	0	0	486	173
Beam 639	Beam2	4: FICT 1	0	0	487	183
Beam 640	Beam2	4: FICT 1	0	0	488	192
Beam 641	Beam2	21: FICT 3	0	0	489	316
Beam 642	Beam2	21: FICT 3	0	0	490	425
Beam 643	Beam2	21: FICT 3	0	0	491	426
Beam 644	Beam2	21: FICT 3	0	0	492	317
Beam 645	Beam2	21: FICT 3	0	0	493	329
Beam 646	Beam2	21: FICT 3	0	0	494	420
Beam 647	Beam2	21: FICT 3	0	0	495	421
Beam 648	Beam2	21: FICT 3	0	0	496	330
Beam 649	Beam2	21: FICT 3	0	0	497	343
Beam 650	Beam2	21: FICT 3	0	0	498	276
Beam 651	Beam2	21: FICT 3	0	0	499	277
Beam 652	Beam2	21: FICT 3	0	0	500	344
Beam 653	Beam2	21: FICT 3	0	0	501	358
Beam 654	Beam2	21: FICT 3	0	0	502	281
Beam 655	Beam2	21: FICT 3	0	0	503	282
Beam 656	Beam2	21: FICT 3	0	0	504	359
Beam 657	Beam2	21: FICT 3	0	0	505	373
Beam 658	Beam2	21: FICT 3	0	0	506	286
Beam 659	Beam2	21: FICT 3	0	0	507	287
Beam 660	Beam2	21: FICT 3	0	0	508	374
Beam 661	Beam2	21: FICT 3	0	0	509	388
Beam 662	Beam2	21: FICT 3	0	0	510	291
Beam 663	Beam2	21: FICT 3	0	0	511	292
Beam 664	Beam2	21: FICT 3	0	0	512	389

Beam 665	Beam2	21: FICT 3	0	0	513	401
Beam 666	Beam2	21: FICT 3	0	0	514	296
Beam 667	Beam2	21: FICT 3	0	0	515	297
Beam 668	Beam2	21: FICT 3	0	0	516	402
Beam 669	Beam2	21: FICT 3	0	0	517	415
Beam 670	Beam2	21: FICT 3	0	0	518	301
Beam 671	Beam2	21: FICT 3	0	0	519	302
Beam 672	Beam2	21: FICT 3	0	0	520	416
Beam 673	Beam2	21: FICT 3	0	0	521	428
Beam 674	Beam2	21: FICT 3	0	0	522	319
Beam 675	Beam2	21: FICT 3	0	0	523	429
Beam 676	Beam2	21: FICT 3	0	0	524	320
Beam 677	Beam2	21: FICT 3	0	0	525	427
Beam 678	Beam2	21: FICT 3	0	0	526	318
Beam 679	Beam2	21: FICT 3	0	0	527	423
Beam 680	Beam2	21: FICT 3	0	0	528	331
Beam 681	Beam2	21: FICT 3	0	0	529	424
Beam 682	Beam2	21: FICT 3	0	0	530	332
Beam 683	Beam2	21: FICT 3	0	0	531	422
Beam 684	Beam2	21: FICT 3	0	0	532	279
Beam 685	Beam2	21: FICT 3	0	0	533	346
Beam 686	Beam2	21: FICT 3	0	0	534	280
Beam 687	Beam2	21: FICT 3	0	0	535	347
Beam 688	Beam2	21: FICT 3	0	0	536	278
Beam 689	Beam2	21: FICT 3	0	0	537	345
Beam 690	Beam2	21: FICT 3	0	0	538	284
Beam 691	Beam2	21: FICT 3	0	0	539	361
Beam 692	Beam2	21: FICT 3	0	0	540	285
Beam 693	Beam2	21: FICT 3	0	0	541	362
Beam 694	Beam2	21: FICT 3	0	0	542	283
Beam 695	Beam2	21: FICT 3	0	0	543	360
Beam 696	Beam2	21: FICT 3	0	0	544	289
Beam 697	Beam2	21: FICT 3	0	0	545	376
Beam 698	Beam2	21: FICT 3	0	0	546	290
Beam 699	Beam2	21: FICT 3	0	0	547	377
Beam 700	Beam2	21: FICT 3	0	0	548	288
Beam 701	Beam2	21: FICT 3	0	0	549	375
Beam 702	Beam2	21: FICT 3	0	0	550	294
Beam 703	Beam2	21: FICT 3	0	0	551	391
Beam 704	Beam2	21: FICT 3	0	0	552	295
Beam 705	Beam2	21: FICT 3	0	0	553	392
Beam 706	Beam2	21: FICT 3	0	0	554	293
Beam 707	Beam2	21: FICT 3	0	0	555	390
Beam 708	Beam2	21: FICT 3	0	0	556	299
Beam 709	Beam2	21: FICT 3	0	0	557	403
Beam 710	Beam2	21: FICT 3	0	0	558	300
Beam 711	Beam2	21: FICT 3	0	0	559	404
Beam 712	Beam2	21: FICT 3	0	0	560	298
Beam 713	Beam2	21: FICT 3	0	0	561	304
Beam 714	Beam2	21: FICT 3	0	0	562	418

Beam 715	Beam2	21: FICT 3	0	0	563	305
Beam 716	Beam2	21: FICT 3	0	0	564	419
Beam 717	Beam2	21: FICT 3	0	0	565	303
Beam 718	Beam2	21: FICT 3	0	0	566	417
Beam 719	Beam2	21: FICT 3	0	0	567	306
Beam 720	Beam2	21: FICT 3	0	0	568	307
Beam 721	Beam2	21: FICT 3	0	0	569	311
Beam 722	Beam2	21: FICT 3	0	0	570	312
Beam 723	Beam2	21: FICT 3	0	0	571	321
Beam 724	Beam2	21: FICT 3	0	0	572	322
Beam 725	Beam2	21: FICT 3	0	0	573	325
Beam 726	Beam2	21: FICT 3	0	0	574	326
Beam 727	Beam2	21: FICT 3	0	0	575	333
Beam 728	Beam2	21: FICT 3	0	0	576	334
Beam 729	Beam2	21: FICT 3	0	0	577	338
Beam 730	Beam2	21: FICT 3	0	0	578	339
Beam 731	Beam2	21: FICT 3	0	0	579	348
Beam 732	Beam2	21: FICT 3	0	0	580	349
Beam 733	Beam2	21: FICT 3	0	0	581	353
Beam 734	Beam2	21: FICT 3	0	0	582	354
Beam 735	Beam2	21: FICT 3	0	0	583	363
Beam 736	Beam2	21: FICT 3	0	0	584	364
Beam 737	Beam2	21: FICT 3	0	0	585	368
Beam 738	Beam2	21: FICT 3	0	0	586	369
Beam 739	Beam2	21: FICT 3	0	0	587	378
Beam 740	Beam2	21: FICT 3	0	0	588	379
Beam 741	Beam2	21: FICT 3	0	0	589	383
Beam 742	Beam2	21: FICT 3	0	0	590	384
Beam 743	Beam2	21: FICT 3	0	0	591	430
Beam 744	Beam2	21: FICT 3	0	0	592	431
Beam 745	Beam2	21: FICT 3	0	0	593	393
Beam 746	Beam2	21: FICT 3	0	0	594	394
Beam 747	Beam2	21: FICT 3	0	0	595	397
Beam 748	Beam2	21: FICT 3	0	0	596	398
Beam 749	Beam2	21: FICT 3	0	0	597	405
Beam 750	Beam2	21: FICT 3	0	0	598	406
Beam 751	Beam2	21: FICT 3	0	0	599	410
Beam 752	Beam2	21: FICT 3	0	0	600	411
Beam 753	Beam2	21: FICT 3	0	0	601	309
Beam 754	Beam2	21: FICT 3	0	0	602	314
Beam 755	Beam2	21: FICT 3	0	0	603	310
Beam 756	Beam2	21: FICT 3	0	0	604	315
Beam 757	Beam2	21: FICT 3	0	0	605	308
Beam 758	Beam2	21: FICT 3	0	0	606	313
Beam 759	Beam2	21: FICT 3	0	0	607	323
Beam 760	Beam2	21: FICT 3	0	0	608	327
Beam 761	Beam2	21: FICT 3	0	0	609	324
Beam 762	Beam2	21: FICT 3	0	0	610	328
Beam 763	Beam2	21: FICT 3	0	0	611	336
Beam 764	Beam2	21: FICT 3	0	0	612	341

Beam 765	Beam2	21: FICT 3	0	0	613	337
Beam 766	Beam2	21: FICT 3	0	0	614	342
Beam 767	Beam2	21: FICT 3	0	0	615	335
Beam 768	Beam2	21: FICT 3	0	0	616	340
Beam 769	Beam2	21: FICT 3	0	0	617	351
Beam 770	Beam2	21: FICT 3	0	0	618	356
Beam 771	Beam2	21: FICT 3	0	0	619	352
Beam 772	Beam2	21: FICT 3	0	0	620	357
Beam 773	Beam2	21: FICT 3	0	0	621	350
Beam 774	Beam2	21: FICT 3	0	0	622	355
Beam 775	Beam2	21: FICT 3	0	0	623	366
Beam 776	Beam2	21: FICT 3	0	0	624	371
Beam 777	Beam2	21: FICT 3	0	0	625	367
Beam 778	Beam2	21: FICT 3	0	0	626	372
Beam 779	Beam2	21: FICT 3	0	0	627	365
Beam 780	Beam2	21: FICT 3	0	0	628	370
Beam 781	Beam2	21: FICT 3	0	0	629	381
Beam 782	Beam2	21: FICT 3	0	0	630	386
Beam 783	Beam2	21: FICT 3	0	0	631	382
Beam 784	Beam2	21: FICT 3	0	0	632	387
Beam 785	Beam2	21: FICT 3	0	0	633	380
Beam 786	Beam2	21: FICT 3	0	0	634	385
Beam 787	Beam2	21: FICT 3	0	0	635	433
Beam 788	Beam2	21: FICT 3	0	0	636	434
Beam 789	Beam2	21: FICT 3	0	0	637	432
Beam 790	Beam2	21: FICT 3	0	0	638	395
Beam 791	Beam2	21: FICT 3	0	0	639	399
Beam 792	Beam2	21: FICT 3	0	0	640	396
Beam 793	Beam2	21: FICT 3	0	0	641	400
Beam 794	Beam2	21: FICT 3	0	0	642	408
Beam 795	Beam2	21: FICT 3	0	0	643	413
Beam 796	Beam2	21: FICT 3	0	0	644	409
Beam 797	Beam2	21: FICT 3	0	0	645	414
Beam 798	Beam2	21: FICT 3	0	0	646	407
Beam 799	Beam2	21: FICT 3	0	0	647	412
Beam 800	Beam2	3: PRINCIPALI - ACCIAIO	0	90	648	649
Beam 801	Beam2	3: PRINCIPALI - ACCIAIO	0	90	650	651
Beam 802	Beam2	3: PRINCIPALI - ACCIAIO	0	90	652	653
Beam 803	Beam2	3: PRINCIPALI - ACCIAIO	0	90	654	655
Beam 804	Beam2	3: PRINCIPALI - ACCIAIO	0	90	656	648
Beam 805	Beam2	3: PRINCIPALI - ACCIAIO	0	90	653	650
Beam 806	Beam2	3: PRINCIPALI - ACCIAIO	0	90	655	652
Beam 807	Beam2	3: PRINCIPALI - ACCIAIO	0	90	649	654
Beam 808	Beam2	6: FICT 2	0	0	656	657
Beam 809	Beam2	6: FICT 2	0	0	651	658
Beam 810	Beam2	6: FICT 2	0	0	656	659
Beam 811	Beam2	6: FICT 2	0	0	651	660
Beam 812	Beam2	4: FICT 1	0	0	223	661
Beam 813	Beam2	4: FICT 1	0	0	225	662
Beam 814	Beam2	4: FICT 1	0	0	227	663

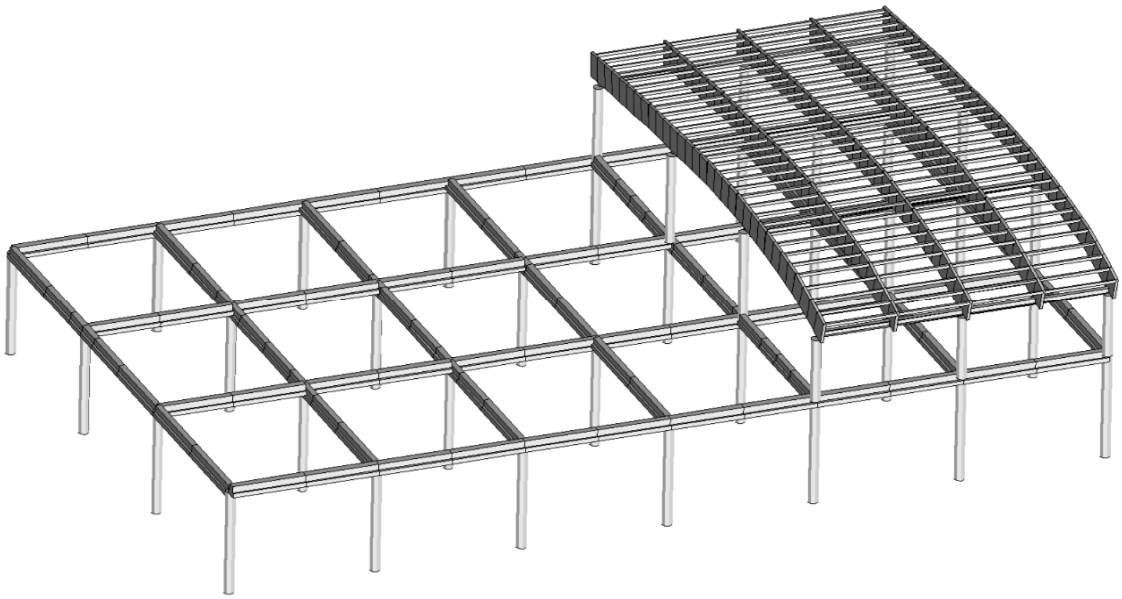
Beam 815	Beam2	4: FICT 1	0	0	229	659
Beam 816	Beam2	4: FICT 1	0	0	230	660
Beam 817	Beam2	6: FICT 2	0	0	653	663
Beam 818	Beam2	6: FICT 2	0	0	655	662
Beam 819	Beam2	6: FICT 2	0	0	649	661
Beam 820	Beam2	3: PRINCIPALI - ACCIAIO	0	90	664	665
Beam 821	Beam2	3: PRINCIPALI - ACCIAIO	0	90	666	667
Beam 822	Beam2	3: PRINCIPALI - ACCIAIO	0	90	668	669
Beam 823	Beam2	3: PRINCIPALI - ACCIAIO	0	90	670	671
Beam 824	Beam2	3: PRINCIPALI - ACCIAIO	0	90	672	664
Beam 825	Beam2	3: PRINCIPALI - ACCIAIO	0	90	669	666
Beam 826	Beam2	3: PRINCIPALI - ACCIAIO	0	90	671	668
Beam 827	Beam2	3: PRINCIPALI - ACCIAIO	0	90	665	670
Beam 828	Beam2	6: FICT 2	0	0	672	673
Beam 829	Beam2	6: FICT 2	0	0	667	674
Beam 830	Beam2	6: FICT 2	0	0	672	675
Beam 831	Beam2	6: FICT 2	0	0	667	676
Beam 832	Beam2	4: FICT 1	0	0	156	677
Beam 833	Beam2	4: FICT 1	0	0	158	678
Beam 834	Beam2	4: FICT 1	0	0	160	679
Beam 835	Beam2	4: FICT 1	0	0	162	675
Beam 836	Beam2	4: FICT 1	0	0	164	676
Beam 837	Beam2	6: FICT 2	0	0	669	679
Beam 838	Beam2	6: FICT 2	0	0	671	678
Beam 839	Beam2	6: FICT 2	0	0	665	677
Beam 840	Beam2	3: PRINCIPALI - ACCIAIO	0	90	680	681
Beam 841	Beam2	3: PRINCIPALI - ACCIAIO	0	90	682	683
Beam 842	Beam2	3: PRINCIPALI - ACCIAIO	0	90	684	685
Beam 843	Beam2	3: PRINCIPALI - ACCIAIO	0	90	686	687
Beam 844	Beam2	3: PRINCIPALI - ACCIAIO	0	90	688	680
Beam 845	Beam2	3: PRINCIPALI - ACCIAIO	0	90	685	682
Beam 846	Beam2	3: PRINCIPALI - ACCIAIO	0	90	687	684
Beam 847	Beam2	3: PRINCIPALI - ACCIAIO	0	90	681	686
Beam 848	Beam2	6: FICT 2	0	0	688	689
Beam 849	Beam2	6: FICT 2	0	0	683	11
Beam 850	Beam2	6: FICT 2	0	0	688	690
Beam 851	Beam2	6: FICT 2	0	0	683	691
Beam 852	Beam2	4: FICT 1	0	0	127	692
Beam 853	Beam2	4: FICT 1	0	0	129	693
Beam 854	Beam2	4: FICT 1	0	0	131	694
Beam 855	Beam2	4: FICT 1	0	0	133	690
Beam 856	Beam2	4: FICT 1	0	0	29	691
Beam 857	Beam2	6: FICT 2	0	0	685	694
Beam 858	Beam2	6: FICT 2	0	0	687	693
Beam 859	Beam2	6: FICT 2	0	0	681	692
Beam 860	Beam2	3: PRINCIPALI - ACCIAIO	0	90	695	696
Beam 861	Beam2	3: PRINCIPALI - ACCIAIO	0	90	697	698
Beam 862	Beam2	3: PRINCIPALI - ACCIAIO	0	90	699	700
Beam 863	Beam2	3: PRINCIPALI - ACCIAIO	0	90	701	702
Beam 864	Beam2	3: PRINCIPALI - ACCIAIO	0	90	703	695

Beam 865	Beam2	3: PRINCIPALI - ACCIAIO	0	90	700	697
Beam 866	Beam2	3: PRINCIPALI - ACCIAIO	0	90	702	699
Beam 867	Beam2	3: PRINCIPALI - ACCIAIO	0	90	696	701
Beam 868	Beam2	6: FICT 2	0	0	703	704
Beam 869	Beam2	6: FICT 2	0	0	698	57
Beam 870	Beam2	6: FICT 2	0	0	703	705
Beam 871	Beam2	6: FICT 2	0	0	698	706
Beam 872	Beam2	4: FICT 1	0	0	258	707
Beam 873	Beam2	4: FICT 1	0	0	260	708
Beam 874	Beam2	4: FICT 1	0	0	262	709
Beam 875	Beam2	4: FICT 1	0	0	264	705
Beam 876	Beam2	4: FICT 1	0	0	64	706
Beam 877	Beam2	6: FICT 2	0	0	700	709
Beam 878	Beam2	6: FICT 2	0	0	702	708
Beam 879	Beam2	6: FICT 2	0	0	696	707
Beam 880	Beam2	6: FICT 2	0	0	702	710
Beam 881	Beam2	6: FICT 2	0	0	671	711
Beam 882	Beam2	6: FICT 2	0	0	655	712
Beam 883	Beam2	6: FICT 2	0	0	687	713
Beam 884	Beam2	4: FICT 1	0	0	134	435
Beam 885	Beam2	4: FICT 1	0	0	437	124
Beam 886	Beam2	4: FICT 1	0	0	438	126
Beam 887	Beam2	4: FICT 1	0	0	257	440
Beam 888	Beam2	4: FICT 1	0	0	135	436
Beam 889	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	105	714
Beam 890	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	106	715
Beam 891	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	100	716
Beam 892	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	717	103
Beam 893	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	718	107
Beam 894	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	719	108
Beam 895	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	720	109
Beam 896	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	721	110
Beam 897	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	722	115
Beam 898	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	723	101
Beam 899	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	724	56
Beam 900	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	44	48
Beam 901	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	52	58
Beam 902	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	46	50
Beam 903	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	54	60
Beam 904	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	725	104
Beam 905	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	726	111
Beam 906	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	727	112
Beam 907	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	728	113
Beam 908	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	729	114
Beam 909	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	730	116
Beam 910	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	731	102
Beam 911	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	732	26
Beam 912	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	23	19
Beam 913	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	21	25
Beam 914	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	22	18

Beam 915	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	20	24
Beam 916	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	103	733
Beam 917	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	104	734
Beam 918	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	102	735
Beam 919	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	752	736
Beam 920	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	754	737
Beam 921	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	756	738
Beam 922	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	108	757
Beam 923	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	112	740
Beam 924	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	19	741
Beam 925	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	109	758
Beam 926	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	110	759
Beam 927	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	115	760
Beam 928	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	113	745
Beam 929	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	114	746
Beam 930	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	116	747
Beam 931	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	25	748
Beam 932	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	18	749
Beam 933	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	24	750
Beam 934	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	714	99
Beam 935	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	715	105
Beam 936	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	716	106
Beam 937	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	105	717
Beam 938	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	103	718
Beam 939	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	107	719
Beam 940	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	108	720
Beam 941	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	109	721
Beam 942	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	110	722
Beam 943	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	99	723
Beam 944	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	101	724
Beam 945	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	56	44
Beam 946	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	48	52
Beam 947	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	58	46
Beam 948	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	50	54
Beam 949	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	106	725
Beam 950	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	104	726
Beam 951	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	111	727
Beam 952	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	112	728
Beam 953	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	113	729
Beam 954	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	114	730
Beam 955	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	100	731
Beam 956	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	102	732
Beam 957	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	26	23
Beam 958	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	19	21
Beam 959	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	25	22
Beam 960	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	18	20
Beam 961	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	733	101
Beam 962	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	734	103
Beam 963	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	735	104
Beam 964	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	751	56

Beam 965	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	753	107
Beam 966	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	755	111
Beam 967	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	739	48
Beam 968	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	740	761
Beam 969	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	741	112
Beam 970	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	742	58
Beam 971	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	743	50
Beam 972	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	744	60
Beam 973	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	745	762
Beam 974	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	746	763
Beam 975	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	747	764
Beam 976	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	748	113
Beam 977	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	749	114
Beam 978	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	750	116
Beam 979	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	107	752
Beam 980	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	111	754
Beam 981	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	26	756
Beam 982	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	736	751
Beam 983	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	737	753
Beam 984	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	738	755
Beam 987	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	757	739
Beam 988	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	758	742
Beam 989	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	759	743
Beam 990	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	760	744
Beam 991	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	761	108
Beam 992	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	762	109
Beam 993	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	763	110
Beam 994	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	764	115
Beam 995	Beam2	1: COLONNE - TECNOMETAL	0	0	56	57
Beam 996	Beam2	1: COLONNE - TECNOMETAL	0	0	99	704
Beam 997	Beam2	1: COLONNE - TECNOMETAL	0	0	101	710
Beam 998	Beam2	1: COLONNE - TECNOMETAL	0	0	107	674
Beam 999	Beam2	1: COLONNE - TECNOMETAL	0	0	105	673
Beam 1000	Beam2	1: COLONNE - TECNOMETAL	0	0	103	711
Beam 1001	Beam2	1: COLONNE - TECNOMETAL	0	0	111	658
Beam 1002	Beam2	1: COLONNE - TECNOMETAL	0	0	106	657
Beam 1003	Beam2	1: COLONNE - TECNOMETAL	0	0	104	712
Beam 1004	Beam2	1: COLONNE - TECNOMETAL	0	0	26	11
Beam 1005	Beam2	1: COLONNE - TECNOMETAL	0	0	100	689
Beam 1006	Beam2	1: COLONNE - TECNOMETAL	0	0	102	713

CORPO C



Indice dei nodi di definizione

	X (m)	Y (m)	Z (m)
Node 11	182.60	21.25	11.26
Node 18	152.60	21.25	6.80
Node 19	172.60	21.25	6.80
Node 20	147.60	21.25	6.80
Node 21	167.60	21.25	6.80
Node 22	157.60	21.25	6.80
Node 23	177.60	21.25	6.80
Node 24	142.60	21.25	6.80
Node 25	162.60	21.25	6.80
Node 26	182.60	21.25	6.80
Node 27	182.60	23.75	13.22
Node 28	182.60	22.50	12.86
Node 29	182.60	21.25	12.51
Node 30	182.60	23.75	13.77
Node 31	182.60	22.50	13.41
Node 32	182.60	21.25	13.06
Node 33	182.60	21.25	13.07
Node 34	182.60	22.50	13.42
Node 35	182.60	23.75	13.78
Node 44	177.60	58.75	6.80
Node 46	157.60	58.75	6.80
Node 48	172.60	58.75	6.80
Node 50	152.60	58.75	6.80
Node 52	167.60	58.75	6.80
Node 54	147.60	58.75	6.80
Node 56	182.60	58.75	6.80
Node 57	182.60	58.75	12.20
Node 58	162.60	58.75	6.80
Node 60	142.60	58.75	6.80
Node 62	182.60	56.25	13.65
Node 63	182.60	57.50	13.55
Node 64	182.60	58.75	13.45
Node 65	182.60	57.50	14.10
Node 66	182.60	58.75	14.00
Node 67	182.60	56.25	14.20
Node 68	182.60	57.50	14.11
Node 69	182.60	58.75	14.01
Node 70	162.60	58.75	-0.50
Node 71	162.60	21.25	-0.50
Node 72	182.60	58.75	-0.50
Node 73	202.60	58.75	-0.50
Node 74	182.60	21.25	-0.50
Node 75	202.60	21.25	-0.50
Node 76	152.60	46.25	-0.50

	X (m)	Y (m)	Z (m)
Node 384	197.60	27.50	14.46
Node 385	192.60	27.50	14.46
Node 386	187.60	27.50	14.46
Node 387	182.60	27.50	14.46
Node 388	202.60	26.25	14.29
Node 389	197.60	26.25	14.29
Node 390	192.60	26.25	14.29
Node 391	187.60	26.25	14.29
Node 392	182.60	26.25	14.29
Node 393	202.60	58.75	14.00
Node 394	197.60	58.75	14.00
Node 395	192.60	58.75	14.00
Node 396	187.60	58.75	14.00
Node 397	202.60	57.50	14.10
Node 398	197.60	57.50	14.10
Node 399	192.60	57.50	14.10
Node 400	187.60	57.50	14.10
Node 401	202.60	56.25	14.20
Node 402	197.60	56.25	14.20
Node 403	192.60	56.25	14.20
Node 404	187.60	56.25	14.20
Node 405	202.60	38.75	15.20
Node 406	197.60	38.75	15.20
Node 407	192.60	38.75	15.20
Node 408	187.60	38.75	15.20
Node 409	182.60	38.75	15.20
Node 410	202.60	37.50	15.20
Node 411	197.60	37.50	15.20
Node 412	192.60	37.50	15.20
Node 413	187.60	37.50	15.20
Node 414	182.60	37.50	15.20
Node 415	202.60	36.25	15.19
Node 416	197.60	36.25	15.19
Node 417	192.60	36.25	15.19
Node 418	187.60	36.25	15.19
Node 419	182.60	36.25	15.19
Node 420	202.60	20.10	12.73
Node 421	197.60	20.10	12.73
Node 422	192.60	20.10	12.73
Node 423	187.60	20.10	12.73
Node 424	182.60	20.10	12.73
Node 425	202.60	40.00	15.20
Node 426	197.60	40.00	15.20
Node 427	192.60	40.00	15.20

Node 77	152.60	33.75	-0.50
Node 78	152.60	58.75	-0.50
Node 79	152.60	21.25	-0.50
Node 80	172.60	46.25	-0.50
Node 81	172.60	33.75	-0.50
Node 82	172.60	58.75	-0.50
Node 83	172.60	21.25	-0.50
Node 84	192.60	46.25	-0.50
Node 85	192.60	33.75	-0.50
Node 86	192.60	58.75	-0.50
Node 87	192.60	21.25	-0.50
Node 88	162.60	46.25	-0.50
Node 89	162.60	33.75	-0.50
Node 90	182.60	46.25	-0.50
Node 91	182.60	33.75	-0.50
Node 92	202.60	46.25	-0.50
Node 93	202.60	33.75	-0.50
Node 94	142.60	46.25	-0.50
Node 95	142.60	33.75	-0.50
Node 96	142.60	58.75	-0.50
Node 97	142.60	21.25	-0.50
Node 98	152.60	46.25	6.80
Node 99	152.60	33.75	6.80
Node 100	172.60	46.25	6.80
Node 101	172.60	33.75	6.80
Node 102	162.60	46.25	6.80
Node 103	162.60	33.75	6.80
Node 104	142.60	46.25	6.80
Node 105	142.60	33.75	6.80
Node 106	182.60	56.25	14.21
Node 107	202.60	58.75	6.80
Node 108	202.60	21.25	6.80
Node 109	192.60	58.75	6.80
Node 110	192.60	21.25	6.80
Node 111	192.60	46.25	6.80
Node 112	192.60	33.75	6.80
Node 113	202.60	46.25	6.80
Node 114	202.60	33.75	6.80
Node 115	182.60	46.25	6.80
Node 116	182.60	33.75	6.80
Node 117	197.60	41.25	14.59
Node 118	197.60	40.00	14.65
Node 119	192.60	41.25	14.59
Node 120	192.60	40.00	14.65
Node 121	187.60	41.25	14.59
Node 122	187.60	40.00	14.65
Node 123	202.60	41.25	14.59
Node 124	202.60	40.00	14.65
Node 125	182.60	41.25	14.59
Node 126	182.60	40.00	14.65

Node 428	187.60	40.00	15.20
Node 429	182.60	40.00	15.20
Node 430	202.60	59.90	13.91
Node 431	197.60	59.90	13.91
Node 432	192.60	59.90	13.91
Node 433	187.60	59.90	13.91
Node 434	182.60	59.90	13.91
Node 471	202.60	59.90	12.71
Node 472	202.60	55.00	13.20
Node 473	202.60	50.00	13.60
Node 474	202.60	45.00	13.85
Node 475	202.60	40.00	14.00
Node 476	202.60	35.00	14.09
Node 477	202.60	30.00	13.69
Node 478	202.60	25.00	13.03
Node 479	202.60	20.10	11.53
Node 480	182.60	20.10	11.53
Node 481	182.60	25.00	13.03
Node 482	182.60	30.00	13.69
Node 483	182.60	35.00	14.09
Node 484	182.60	40.00	14.00
Node 485	182.60	45.00	13.85
Node 486	182.60	50.00	13.60
Node 487	182.60	55.00	13.20
Node 488	182.60	59.90	12.71
Node 489	202.60	41.25	15.15
Node 490	197.60	41.25	15.15
Node 491	202.60	21.25	13.07
Node 492	202.60	20.10	12.74
Node 493	197.60	20.10	12.74
Node 494	197.60	21.25	13.07
Node 495	202.60	51.25	14.61
Node 496	202.60	50.00	14.71
Node 497	197.60	50.00	14.71
Node 498	197.60	51.25	14.61
Node 499	202.60	31.25	14.90
Node 500	202.60	30.00	14.79
Node 501	197.60	30.00	14.79
Node 502	197.60	31.25	14.90
Node 503	202.60	46.25	14.90
Node 504	202.60	45.00	14.96
Node 505	197.60	45.00	14.96
Node 506	197.60	46.25	14.90
Node 507	202.60	26.25	14.30
Node 508	202.60	25.00	14.14
Node 509	197.60	25.00	14.14
Node 510	197.60	26.25	14.30
Node 511	202.60	56.25	14.21
Node 512	202.60	55.00	14.31
Node 513	197.60	55.00	14.31

Node 127	197.60	21.25	12.51
Node 128	197.60	20.10	12.18
Node 129	192.60	21.25	12.51
Node 130	192.60	20.10	12.18
Node 131	187.60	21.25	12.51
Node 132	187.60	20.10	12.18
Node 133	202.60	21.25	12.51
Node 134	202.60	20.10	12.15
Node 135	182.60	20.10	12.15
Node 136	197.60	51.25	14.05
Node 137	197.60	50.00	14.15
Node 138	192.60	51.25	14.05
Node 139	192.60	50.00	14.15
Node 140	187.60	51.25	14.05
Node 141	187.60	50.00	14.15
Node 142	202.60	51.25	14.05
Node 143	202.60	50.00	14.15
Node 144	182.60	51.25	14.05
Node 145	182.60	50.00	14.15
Node 146	197.60	31.25	14.34
Node 147	197.60	30.00	14.23
Node 148	192.60	31.25	14.34
Node 149	192.60	30.00	14.23
Node 150	187.60	31.25	14.34
Node 151	187.60	30.00	14.23
Node 152	202.60	31.25	14.34
Node 153	202.60	30.00	14.23
Node 154	182.60	31.25	14.34
Node 155	182.60	30.00	14.23
Node 156	197.60	46.25	14.34
Node 157	197.60	45.00	14.40
Node 158	192.60	46.25	14.34
Node 159	192.60	45.00	14.40
Node 160	187.60	46.25	14.34
Node 161	187.60	45.00	14.40
Node 162	202.60	46.25	14.34
Node 163	202.60	45.00	14.40
Node 164	182.60	46.25	14.34
Node 165	182.60	45.00	14.40
Node 166	197.60	26.25	13.74
Node 167	197.60	25.00	13.58
Node 168	192.60	26.25	13.74
Node 169	192.60	25.00	13.58
Node 170	187.60	26.25	13.74
Node 171	187.60	25.00	13.58
Node 172	202.60	26.25	13.74
Node 173	202.60	25.00	13.58
Node 174	182.60	26.25	13.74
Node 175	182.60	25.00	13.58
Node 176	197.60	56.25	13.65

Node 514	197.60	56.25	14.21
Node 515	202.60	35.00	15.20
Node 516	197.60	35.00	15.20
Node 517	192.60	41.25	15.15
Node 518	187.60	41.25	15.15
Node 519	182.60	41.25	15.15
Node 520	192.60	20.10	12.74
Node 521	192.60	21.25	13.07
Node 522	187.60	20.10	12.74
Node 523	187.60	21.25	13.07
Node 524	182.60	20.10	12.74
Node 525	192.60	50.00	14.71
Node 526	192.60	51.25	14.61
Node 527	187.60	50.00	14.71
Node 528	187.60	51.25	14.61
Node 529	182.60	50.00	14.71
Node 530	182.60	51.25	14.61
Node 531	192.60	30.00	14.79
Node 532	192.60	31.25	14.90
Node 533	187.60	30.00	14.79
Node 534	187.60	31.25	14.90
Node 535	182.60	30.00	14.79
Node 536	182.60	31.25	14.90
Node 537	192.60	45.00	14.96
Node 538	192.60	46.25	14.90
Node 539	187.60	45.00	14.96
Node 540	187.60	46.25	14.90
Node 541	182.60	45.00	14.96
Node 542	182.60	46.25	14.90
Node 543	192.60	25.00	14.14
Node 544	192.60	26.25	14.30
Node 545	187.60	25.00	14.14
Node 546	187.60	26.25	14.30
Node 547	182.60	25.00	14.14
Node 548	182.60	26.25	14.30
Node 549	192.60	55.00	14.31
Node 550	192.60	56.25	14.21
Node 551	187.60	55.00	14.31
Node 552	187.60	56.25	14.21
Node 553	182.60	55.00	14.31
Node 554	192.60	35.00	15.20
Node 555	187.60	35.00	15.20
Node 556	182.60	35.00	15.20
Node 557	202.60	43.75	15.02
Node 558	197.60	43.75	15.02
Node 559	202.60	42.50	15.09
Node 560	197.60	42.50	15.09
Node 561	202.60	23.75	13.78
Node 562	197.60	23.75	13.78
Node 563	202.60	22.50	13.42

Node 177	197.60	55.00	13.75
Node 178	192.60	56.25	13.65
Node 179	192.60	55.00	13.75
Node 180	187.60	56.25	13.65
Node 181	187.60	55.00	13.75
Node 182	202.60	56.25	13.65
Node 183	202.60	55.00	13.75
Node 184	182.60	55.00	13.75
Node 185	197.60	36.25	14.64
Node 186	197.60	35.00	14.64
Node 187	192.60	36.25	14.64
Node 188	192.60	35.00	14.64
Node 189	187.60	36.25	14.64
Node 190	187.60	35.00	14.64
Node 191	202.60	36.25	14.64
Node 192	202.60	35.00	14.64
Node 193	182.60	36.25	14.64
Node 194	182.60	35.00	14.64
Node 195	197.60	43.75	14.46
Node 196	197.60	42.50	14.53
Node 197	192.60	43.75	14.46
Node 198	192.60	42.50	14.53
Node 199	187.60	43.75	14.46
Node 200	187.60	42.50	14.53
Node 201	202.60	43.75	14.46
Node 202	182.60	43.75	14.46
Node 203	202.60	42.50	14.53
Node 204	182.60	42.50	14.53
Node 205	197.60	23.75	13.22
Node 206	197.60	22.50	12.86
Node 207	192.60	23.75	13.22
Node 208	192.60	22.50	12.86
Node 209	187.60	23.75	13.22
Node 210	187.60	22.50	12.86
Node 211	202.60	23.75	13.22
Node 212	202.60	22.50	12.86
Node 213	197.60	53.75	13.85
Node 214	197.60	52.50	13.95
Node 215	192.60	53.75	13.85
Node 216	192.60	52.50	13.95
Node 217	187.60	53.75	13.85
Node 218	187.60	52.50	13.95
Node 219	202.60	53.75	13.85
Node 220	182.60	53.75	13.85
Node 221	202.60	52.50	13.95
Node 222	182.60	52.50	13.95
Node 223	197.60	33.75	14.54
Node 224	197.60	32.50	14.44
Node 225	192.60	33.75	14.54
Node 226	192.60	32.50	14.44

Node 564	197.60	22.50	13.42
Node 565	202.60	53.75	14.41
Node 566	197.60	53.75	14.41
Node 567	202.60	52.50	14.51
Node 568	197.60	52.50	14.51
Node 569	202.60	33.75	15.10
Node 570	197.60	33.75	15.10
Node 571	202.60	32.50	15.00
Node 572	197.60	32.50	15.00
Node 573	202.60	48.75	14.77
Node 574	197.60	48.75	14.77
Node 575	202.60	47.50	14.84
Node 576	197.60	47.50	14.84
Node 577	202.60	28.75	14.63
Node 578	197.60	28.75	14.63
Node 579	202.60	27.50	14.47
Node 580	197.60	27.50	14.47
Node 581	202.60	59.90	13.92
Node 582	197.60	59.90	13.92
Node 583	202.60	58.75	14.01
Node 584	197.60	58.75	14.01
Node 585	202.60	57.50	14.11
Node 586	197.60	57.50	14.11
Node 587	192.60	43.75	15.02
Node 588	192.60	42.50	15.09
Node 589	187.60	43.75	15.02
Node 590	187.60	42.50	15.09
Node 591	182.60	43.75	15.02
Node 592	182.60	42.50	15.09
Node 593	192.60	23.75	13.78
Node 594	192.60	22.50	13.42
Node 595	187.60	23.75	13.78
Node 596	187.60	22.50	13.42
Node 597	192.60	53.75	14.41
Node 598	192.60	52.50	14.51
Node 599	187.60	53.75	14.41
Node 600	187.60	52.50	14.51
Node 601	182.60	53.75	14.41
Node 602	182.60	52.50	14.51
Node 603	192.60	33.75	15.10
Node 604	192.60	32.50	15.00
Node 605	187.60	33.75	15.10
Node 606	187.60	32.50	15.00
Node 607	182.60	33.75	15.10
Node 608	182.60	32.50	15.00
Node 609	192.60	48.75	14.77
Node 610	192.60	47.50	14.84
Node 611	187.60	48.75	14.77
Node 612	187.60	47.50	14.84
Node 613	182.60	48.75	14.77

Node 227	187.60	33.75	14.54
Node 228	187.60	32.50	14.44
Node 229	202.60	33.75	14.54
Node 230	182.60	33.75	14.54
Node 231	202.60	32.50	14.44
Node 232	182.60	32.50	14.44
Node 233	197.60	48.75	14.21
Node 234	197.60	47.50	14.28
Node 235	192.60	48.75	14.21
Node 236	192.60	47.50	14.28
Node 237	187.60	48.75	14.21
Node 238	187.60	47.50	14.28
Node 239	202.60	48.75	14.21
Node 240	182.60	48.75	14.21
Node 241	202.60	47.50	14.28
Node 242	182.60	47.50	14.28
Node 243	197.60	28.75	14.07
Node 244	197.60	27.50	13.91
Node 245	192.60	28.75	14.07
Node 246	192.60	27.50	13.91
Node 247	187.60	28.75	14.07
Node 248	187.60	27.50	13.91
Node 249	202.60	28.75	14.07
Node 250	182.60	28.75	14.07
Node 251	202.60	27.50	13.91
Node 252	182.60	27.50	13.91
Node 253	197.60	59.90	13.36
Node 254	197.60	58.75	13.45
Node 255	197.60	57.50	13.55
Node 256	192.60	59.90	13.36
Node 257	192.60	58.75	13.45
Node 258	192.60	57.50	13.55
Node 259	187.60	59.90	13.36
Node 260	187.60	58.75	13.45
Node 261	187.60	57.50	13.55
Node 262	202.60	59.90	13.35
Node 263	202.60	58.75	13.45
Node 264	182.60	59.90	13.35
Node 265	202.60	57.50	13.55
Node 266	197.60	38.75	14.65
Node 267	197.60	37.50	14.65
Node 268	192.60	38.75	14.65
Node 269	192.60	37.50	14.65
Node 270	187.60	38.75	14.65
Node 271	187.60	37.50	14.65
Node 272	202.60	38.75	14.65
Node 273	182.60	38.75	14.65
Node 274	202.60	37.50	14.65
Node 275	182.60	37.50	14.65
Node 276	202.60	50.00	14.70

Node 614	182.60	47.50	14.84
Node 615	192.60	28.75	14.63
Node 616	192.60	27.50	14.47
Node 617	187.60	28.75	14.63
Node 618	187.60	27.50	14.47
Node 619	182.60	28.75	14.63
Node 620	182.60	27.50	14.47
Node 621	192.60	59.90	13.92
Node 622	187.60	59.90	13.92
Node 623	182.60	59.90	13.92
Node 624	192.60	58.75	14.01
Node 625	192.60	57.50	14.11
Node 626	187.60	58.75	14.01
Node 627	187.60	57.50	14.11
Node 628	197.60	33.75	13.59
Node 629	182.60	33.75	13.59
Node 630	187.60	33.75	13.59
Node 631	192.60	33.75	13.59
Node 632	202.60	33.75	13.59
Node 633	202.60	33.75	13.29
Node 634	182.60	33.75	13.29
Node 635	202.60	33.75	13.89
Node 636	182.60	33.75	13.89
Node 637	197.60	33.75	13.89
Node 638	192.60	33.75	13.89
Node 639	187.60	33.75	13.89
Node 640	197.60	46.25	13.39
Node 641	182.60	46.25	13.39
Node 642	187.60	46.25	13.39
Node 643	192.60	46.25	13.39
Node 644	202.60	46.25	13.39
Node 645	202.60	46.25	13.09
Node 646	182.60	46.25	13.09
Node 647	202.60	46.25	13.69
Node 648	182.60	46.25	13.69
Node 649	197.60	46.25	13.69
Node 650	192.60	46.25	13.69
Node 651	187.60	46.25	13.69
Node 652	197.60	21.25	11.56
Node 653	182.60	21.25	11.56
Node 654	187.60	21.25	11.56
Node 655	192.60	21.25	11.56
Node 656	202.60	21.25	11.56
Node 657	202.60	21.25	11.26
Node 658	202.60	21.25	11.86
Node 659	182.60	21.25	11.86
Node 660	197.60	21.25	11.86
Node 661	192.60	21.25	11.86
Node 662	187.60	21.25	11.86
Node 663	197.60	58.75	12.50

Node 277	197.60	50.00	14.70
Node 278	192.60	50.00	14.70
Node 279	187.60	50.00	14.70
Node 280	182.60	50.00	14.70
Node 281	202.60	30.00	14.79
Node 282	197.60	30.00	14.79
Node 283	192.60	30.00	14.79
Node 284	187.60	30.00	14.79
Node 285	182.60	30.00	14.79
Node 286	202.60	45.00	14.95
Node 287	197.60	45.00	14.95
Node 288	192.60	45.00	14.95
Node 289	187.60	45.00	14.95
Node 290	182.60	45.00	14.95
Node 291	202.60	25.00	14.13
Node 292	197.60	25.00	14.13
Node 293	192.60	25.00	14.13
Node 294	187.60	25.00	14.13
Node 295	182.60	25.00	14.13
Node 296	202.60	55.00	14.30
Node 297	197.60	55.00	14.30
Node 298	192.60	55.00	14.30
Node 299	187.60	55.00	14.30
Node 300	182.60	55.00	14.30
Node 301	202.60	35.00	15.19
Node 302	197.60	35.00	15.19
Node 303	192.60	35.00	15.19
Node 304	187.60	35.00	15.19
Node 305	182.60	35.00	15.19
Node 306	202.60	43.75	15.01
Node 307	197.60	43.75	15.01
Node 308	192.60	43.75	15.01
Node 309	187.60	43.75	15.01
Node 310	182.60	43.75	15.01
Node 311	202.60	42.50	15.07
Node 312	197.60	42.50	15.07
Node 313	192.60	42.50	15.07
Node 314	187.60	42.50	15.07
Node 315	182.60	42.50	15.07
Node 316	202.60	41.25	15.14
Node 317	197.60	41.25	15.14
Node 318	192.60	41.25	15.14
Node 319	187.60	41.25	15.14
Node 320	182.60	41.25	15.14
Node 321	202.60	23.75	13.77
Node 322	197.60	23.75	13.77
Node 323	192.60	23.75	13.77
Node 324	187.60	23.75	13.77
Node 325	202.60	22.50	13.41
Node 326	197.60	22.50	13.41

Node 664	182.60	58.75	12.50
Node 665	187.60	58.75	12.50
Node 666	192.60	58.75	12.50
Node 667	202.60	58.75	12.50
Node 668	202.60	58.75	12.20
Node 669	202.60	58.75	12.80
Node 670	182.60	58.75	12.80
Node 671	197.60	58.75	12.80
Node 672	192.60	58.75	12.80
Node 673	187.60	58.75	12.80
Node 674	192.60	58.75	12.20
Node 675	192.60	46.25	13.09
Node 676	192.60	33.75	13.29
Node 677	192.60	21.25	11.26
Node 678	202.60	40.00	15.21
Node 679	197.60	40.00	15.21
Node 680	202.60	36.25	15.20
Node 681	197.60	36.25	15.20
Node 682	192.60	40.00	15.21
Node 683	187.60	40.00	15.21
Node 684	182.60	40.00	15.21
Node 685	192.60	36.25	15.20
Node 686	187.60	36.25	15.20
Node 687	182.60	36.25	15.20
Node 688	202.60	38.75	15.21
Node 689	197.60	38.75	15.21
Node 690	202.60	37.50	15.21
Node 691	197.60	37.50	15.21
Node 692	192.60	38.75	15.21
Node 693	192.60	37.50	15.21
Node 694	187.60	38.75	15.21
Node 695	187.60	37.50	15.21
Node 696	182.60	38.75	15.21
Node 697	182.60	37.50	15.21
Node 698	147.60	46.25	6.80
Node 699	157.60	46.25	6.80
Node 700	167.60	46.25	6.80
Node 701	177.60	46.25	6.80
Node 702	187.60	46.25	6.80
Node 703	197.60	46.25	6.80
Node 704	187.60	58.75	6.80
Node 705	197.60	58.75	6.80
Node 706	147.60	33.75	6.80
Node 707	157.60	33.75	6.80
Node 708	167.60	33.75	6.80
Node 709	177.60	33.75	6.80
Node 710	187.60	33.75	6.80
Node 711	197.60	33.75	6.80
Node 712	187.60	21.25	6.80
Node 713	197.60	21.25	6.80

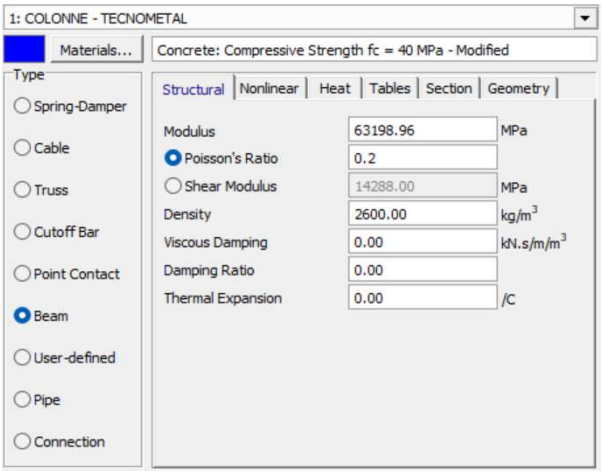
Node 327	192.60	22.50	13.41
Node 328	187.60	22.50	13.41
Node 329	202.60	21.25	13.06
Node 330	197.60	21.25	13.06
Node 331	192.60	21.25	13.06
Node 332	187.60	21.25	13.06
Node 333	202.60	53.75	14.40
Node 334	197.60	53.75	14.40
Node 335	192.60	53.75	14.40
Node 336	187.60	53.75	14.40
Node 337	182.60	53.75	14.40
Node 338	202.60	52.50	14.50
Node 339	197.60	52.50	14.50
Node 340	192.60	52.50	14.50
Node 341	187.60	52.50	14.50
Node 342	182.60	52.50	14.50
Node 343	202.60	51.25	14.60
Node 344	197.60	51.25	14.60
Node 345	192.60	51.25	14.60
Node 346	187.60	51.25	14.60
Node 347	182.60	51.25	14.60
Node 348	202.60	33.75	15.09
Node 349	197.60	33.75	15.09
Node 350	192.60	33.75	15.09
Node 351	187.60	33.75	15.09
Node 352	182.60	33.75	15.09
Node 353	202.60	32.50	14.99
Node 354	197.60	32.50	14.99
Node 355	192.60	32.50	14.99
Node 356	187.60	32.50	14.99
Node 357	182.60	32.50	14.99
Node 358	202.60	31.25	14.89
Node 359	197.60	31.25	14.89
Node 360	192.60	31.25	14.89
Node 361	187.60	31.25	14.89
Node 362	182.60	31.25	14.89
Node 363	202.60	48.75	14.76
Node 364	197.60	48.75	14.76
Node 365	192.60	48.75	14.76
Node 366	187.60	48.75	14.76
Node 367	182.60	48.75	14.76
Node 368	202.60	47.50	14.82
Node 369	197.60	47.50	14.82
Node 370	192.60	47.50	14.82
Node 371	187.60	47.50	14.82
Node 372	182.60	47.50	14.82
Node 373	202.60	46.25	14.89
Node 374	197.60	46.25	14.89
Node 375	192.60	46.25	14.89
Node 376	187.60	46.25	14.89

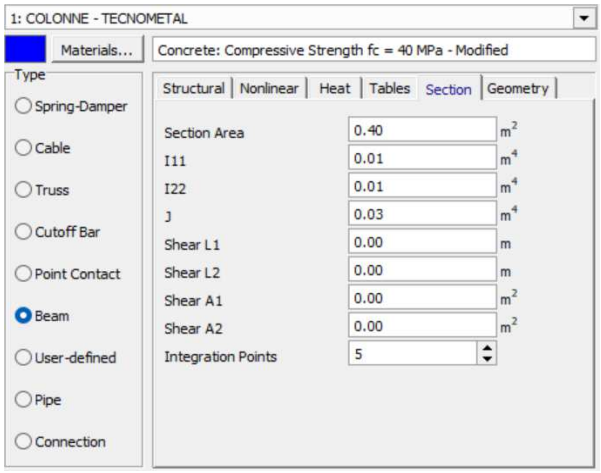
Node 714	142.60	52.50	6.80
Node 715	142.60	40.00	6.80
Node 716	142.60	27.50	6.80
Node 717	152.60	52.50	6.80
Node 718	162.60	52.50	6.80
Node 719	172.60	52.50	6.80
Node 720	182.60	52.50	6.80
Node 721	192.60	52.50	6.80
Node 722	202.60	52.50	6.80
Node 723	152.60	40.00	6.80
Node 724	162.60	40.00	6.80
Node 725	172.60	40.00	6.80
Node 726	182.60	40.00	6.80
Node 727	192.60	40.00	6.80
Node 728	202.60	40.00	6.80
Node 729	152.60	27.50	6.80
Node 730	162.60	27.50	6.80
Node 731	172.60	27.50	6.80
Node 732	182.60	27.50	6.80
Node 733	192.60	27.50	6.80
Node 734	202.60	27.50	6.80
Node 735	182.60	55.00	6.80
Node 736	182.60	50.00	6.80
Node 737	182.60	45.00	6.80
Node 738	182.60	35.00	6.80
Node 739	182.60	30.00	6.80
Node 740	182.60	25.00	6.80
Node 741	142.60	48.24	6.80
Node 742	152.60	48.24	6.80
Node 743	162.60	47.24	6.80
Node 744	172.60	47.24	6.80
Node 745	152.60	35.74	6.80
Node 746	162.60	35.74	6.80
Node 747	142.60	44.26	6.80
Node 748	152.60	44.26	6.80
Node 749	162.60	45.26	6.80
Node 750	172.60	45.26	6.80
Node 751	152.60	31.75	6.80
Node 752	162.60	31.75	6.80
Node 753	147.60	52.50	6.80
Node 754	157.60	52.50	6.80
Node 755	167.60	52.50	6.80
Node 756	177.60	52.50	6.80
Node 757	187.60	52.50	6.80
Node 758	197.60	52.50	6.80
Node 759	147.60	40.00	6.80
Node 760	147.60	27.50	6.80
Node 761	157.60	40.00	6.80
Node 762	157.60	27.50	6.80
Node 763	167.60	40.00	6.80

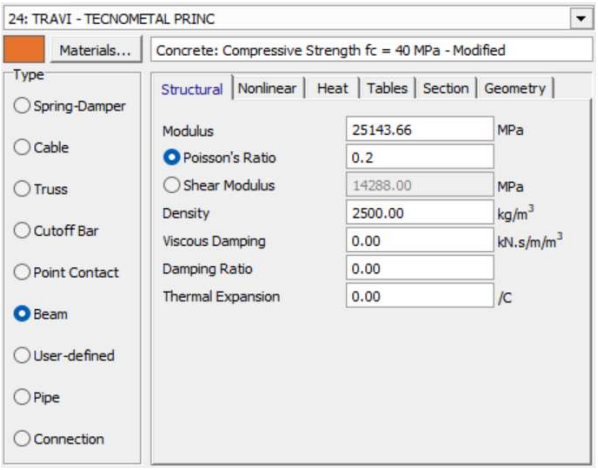
Node 377	182.60	46.25	14.89
Node 378	202.60	28.75	14.62
Node 379	197.60	28.75	14.62
Node 380	192.60	28.75	14.62
Node 381	187.60	28.75	14.62
Node 382	182.60	28.75	14.62
Node 383	202.60	27.50	14.46

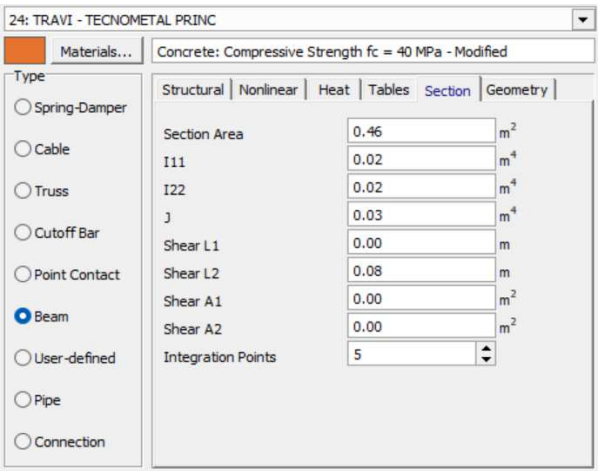
Node 764	167.60	27.50	6.80
Node 765	177.60	40.00	6.80
Node 766	177.60	27.50	6.80
Node 767	187.60	40.00	6.80
Node 768	187.60	27.50	6.80
Node 769	197.60	40.00	6.80
Node 770	197.60	27.50	6.80

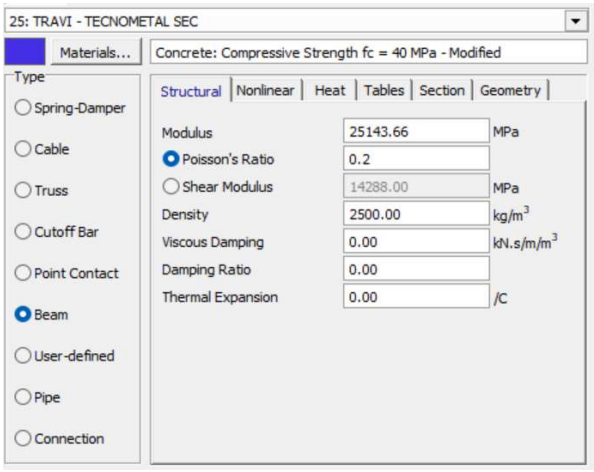
Proprietà delle sezioni utilizzate

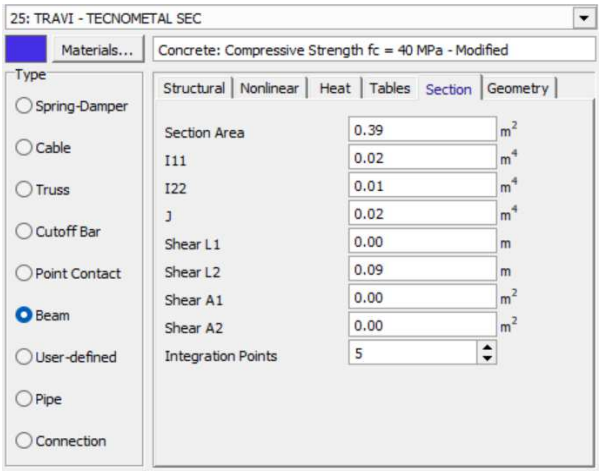












2: PRINCIPALI - LAMELLARE

Materials... GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	kN.s/m/m^3
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

2: PRINCIPALI - LAMELLARE

Materials... GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.336000	m^2
I11	0.079027	m^4
I22	0.001120	m^4
J	0.004147	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.000000	m^2
Shear A2	0.000000	m^2
Integration Points	5	

5: ARCARECCI - LAMELLARE

Materials... GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	kN.s/m/m^3
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

5: ARCARECCI - LAMELLARE

Materials... GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032000	m^2
I11	0.000107	m^4
I22	0.000068	m^4
J	0.000145	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.000000	m^2
Shear A2	0.000000	m^2
Integration Points	5	

8: CONTROVENTI

Materials... GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	11500.000000	MPa
Include Torsional Stiffness		
Poisson's Ratio	0	
Shear Modulus	0.000000	MPa
Density	460.000000	kg/m^3
Viscous Damping	0.000000	kN.s/m/m^3
Damping Ratio	0.000000	
Thermal Expansion	0.000003	/C

8: CONTROVENTI

Materials... GL28h - Modified

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.032400	m^2
J	0.000148	m^4
Integration Points	5	

3: PRINCIPALI - ACCIAIO

Materials... Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Modulus	206000.000000	MPa
Poisson's Ratio	0.2875	
Shear Modulus	80000.000000	MPa
Density	7860.000000	kg/m^3
Viscous Damping	0.000000	kN.s/m/m^3
Damping Ratio	0.000000	
Thermal Expansion	0.000012	/C

3: PRINCIPALI - ACCIAIO

Materials... Steel

Type: Spring-Damper, Cable, Truss, Cutoff Bar, Point Contact, Beam, User-defined, Pipe, Connection

Structural | Nonlinear | Heat | Tables | Section | Geometry

Section Area	0.026700	m^2
I11	0.001410	m^4
I22	0.000861	m^4
J	0.001606	m^4
Shear L1	0.000000	m
Shear L2	0.000000	m
Shear A1	0.013246	m^2
Shear A2	0.013651	m^2
Integration Points	5	

Definizione delle aste

	Type	Property	ID	Angle	N1	N2
				(deg)		
Beam 33	Beam2	4: FICT 1	0	0	30	27
Beam 34	Beam2	4: FICT 1	0	0	31	28
Beam 35	Beam2	4: FICT 1	0	0	32	29
Beam 36	Beam2	21: FICT 3	0	0	32	33
Beam 37	Beam2	21: FICT 3	0	0	31	34
Beam 38	Beam2	21: FICT 3	0	0	30	35
Beam 71	Beam2	2: PRINCIPALI - LAMELLARE	0	90	63	62
Beam 72	Beam2	2: PRINCIPALI - LAMELLARE	0	90	64	63
Beam 73	Beam2	4: FICT 1	0	0	67	62
Beam 74	Beam2	4: FICT 1	0	0	65	63
Beam 75	Beam2	4: FICT 1	0	0	66	64
Beam 76	Beam2	21: FICT 3	0	0	65	68
Beam 77	Beam2	21: FICT 3	0	0	66	69
Beam 78	Beam2	1: COLONNE - TECNOMETAL	0	0	70	58
Beam 79	Beam2	1: COLONNE - TECNOMETAL	0	0	71	25
Beam 80	Beam2	1: COLONNE - TECNOMETAL	0	0	76	98
Beam 81	Beam2	1: COLONNE - TECNOMETAL	0	0	77	99
Beam 82	Beam2	1: COLONNE - TECNOMETAL	0	0	78	50
Beam 83	Beam2	1: COLONNE - TECNOMETAL	0	0	79	18
Beam 84	Beam2	1: COLONNE - TECNOMETAL	0	0	80	100
Beam 85	Beam2	1: COLONNE - TECNOMETAL	0	0	81	101
Beam 86	Beam2	1: COLONNE - TECNOMETAL	0	0	82	48
Beam 87	Beam2	1: COLONNE - TECNOMETAL	0	0	83	19
Beam 88	Beam2	1: COLONNE - TECNOMETAL	0	0	88	102
Beam 89	Beam2	1: COLONNE - TECNOMETAL	0	0	89	103
Beam 90	Beam2	1: COLONNE - TECNOMETAL	0	0	94	104
Beam 91	Beam2	1: COLONNE - TECNOMETAL	0	0	95	105
Beam 92	Beam2	1: COLONNE - TECNOMETAL	0	0	96	60
Beam 93	Beam2	1: COLONNE - TECNOMETAL	0	0	97	24
Beam 94	Beam2	21: FICT 3	0	0	67	106
Beam 95	Beam2	1: COLONNE - TECNOMETAL	0	0	73	107
Beam 96	Beam2	1: COLONNE - TECNOMETAL	0	0	75	108
Beam 97	Beam2	1: COLONNE - TECNOMETAL	0	0	72	56
Beam 98	Beam2	1: COLONNE - TECNOMETAL	0	0	74	26
Beam 99	Beam2	1: COLONNE - TECNOMETAL	0	0	87	110
Beam 100	Beam2	1: COLONNE - TECNOMETAL	0	0	84	111
Beam 101	Beam2	1: COLONNE - TECNOMETAL	0	0	85	112
Beam 102	Beam2	1: COLONNE - TECNOMETAL	0	0	92	113
Beam 103	Beam2	1: COLONNE - TECNOMETAL	0	0	93	114
Beam 104	Beam2	1: COLONNE - TECNOMETAL	0	0	90	115
Beam 105	Beam2	1: COLONNE - TECNOMETAL	0	0	91	116
Beam 106	Beam2	2: PRINCIPALI - LAMELLARE	0	90	118	117
Beam 107	Beam2	2: PRINCIPALI - LAMELLARE	0	90	120	119
Beam 108	Beam2	2: PRINCIPALI - LAMELLARE	0	90	122	121

Beam 109	Beam2	2: PRINCIPALI - LAMELLARE	0	90	124	123
Beam 110	Beam2	2: PRINCIPALI - LAMELLARE	0	90	126	125
Beam 111	Beam2	2: PRINCIPALI - LAMELLARE	0	90	128	127
Beam 112	Beam2	2: PRINCIPALI - LAMELLARE	0	90	130	129
Beam 113	Beam2	2: PRINCIPALI - LAMELLARE	0	90	132	131
Beam 114	Beam2	2: PRINCIPALI - LAMELLARE	0	90	134	133
Beam 115	Beam2	2: PRINCIPALI - LAMELLARE	0	90	135	29
Beam 116	Beam2	2: PRINCIPALI - LAMELLARE	0	90	137	136
Beam 117	Beam2	2: PRINCIPALI - LAMELLARE	0	90	139	138
Beam 118	Beam2	2: PRINCIPALI - LAMELLARE	0	90	141	140
Beam 119	Beam2	2: PRINCIPALI - LAMELLARE	0	90	143	142
Beam 120	Beam2	2: PRINCIPALI - LAMELLARE	0	90	145	144
Beam 121	Beam2	2: PRINCIPALI - LAMELLARE	0	90	147	146
Beam 122	Beam2	2: PRINCIPALI - LAMELLARE	0	90	149	148
Beam 123	Beam2	2: PRINCIPALI - LAMELLARE	0	90	151	150
Beam 124	Beam2	2: PRINCIPALI - LAMELLARE	0	90	153	152
Beam 125	Beam2	2: PRINCIPALI - LAMELLARE	0	90	155	154
Beam 126	Beam2	2: PRINCIPALI - LAMELLARE	0	90	157	156
Beam 127	Beam2	2: PRINCIPALI - LAMELLARE	0	90	159	158
Beam 128	Beam2	2: PRINCIPALI - LAMELLARE	0	90	161	160
Beam 129	Beam2	2: PRINCIPALI - LAMELLARE	0	90	163	162
Beam 130	Beam2	2: PRINCIPALI - LAMELLARE	0	90	165	164
Beam 131	Beam2	2: PRINCIPALI - LAMELLARE	0	90	167	166
Beam 132	Beam2	2: PRINCIPALI - LAMELLARE	0	90	169	168
Beam 133	Beam2	2: PRINCIPALI - LAMELLARE	0	90	171	170
Beam 134	Beam2	2: PRINCIPALI - LAMELLARE	0	90	173	172
Beam 135	Beam2	2: PRINCIPALI - LAMELLARE	0	90	175	174
Beam 136	Beam2	2: PRINCIPALI - LAMELLARE	0	90	177	176
Beam 137	Beam2	2: PRINCIPALI - LAMELLARE	0	90	179	178
Beam 138	Beam2	2: PRINCIPALI - LAMELLARE	0	90	181	180
Beam 139	Beam2	2: PRINCIPALI - LAMELLARE	0	90	183	182
Beam 140	Beam2	2: PRINCIPALI - LAMELLARE	0	90	184	62
Beam 141	Beam2	2: PRINCIPALI - LAMELLARE	0	90	186	185
Beam 142	Beam2	2: PRINCIPALI - LAMELLARE	0	90	188	187
Beam 143	Beam2	2: PRINCIPALI - LAMELLARE	0	90	190	189
Beam 144	Beam2	2: PRINCIPALI - LAMELLARE	0	90	192	191
Beam 145	Beam2	2: PRINCIPALI - LAMELLARE	0	90	194	193
Beam 146	Beam2	2: PRINCIPALI - LAMELLARE	0	90	195	157
Beam 147	Beam2	2: PRINCIPALI - LAMELLARE	0	90	196	195
Beam 148	Beam2	2: PRINCIPALI - LAMELLARE	0	90	117	196
Beam 149	Beam2	2: PRINCIPALI - LAMELLARE	0	90	197	159
Beam 150	Beam2	2: PRINCIPALI - LAMELLARE	0	90	198	197
Beam 151	Beam2	2: PRINCIPALI - LAMELLARE	0	90	119	198
Beam 152	Beam2	2: PRINCIPALI - LAMELLARE	0	90	199	161
Beam 153	Beam2	2: PRINCIPALI - LAMELLARE	0	90	200	199
Beam 154	Beam2	2: PRINCIPALI - LAMELLARE	0	90	121	200
Beam 155	Beam2	2: PRINCIPALI - LAMELLARE	0	90	201	163
Beam 156	Beam2	2: PRINCIPALI - LAMELLARE	0	90	202	165
Beam 157	Beam2	2: PRINCIPALI - LAMELLARE	0	90	203	201
Beam 158	Beam2	2: PRINCIPALI - LAMELLARE	0	90	204	202

Beam 159	Beam2	2: PRINCIPALI - LAMELLARE	0	90	123	203
Beam 160	Beam2	2: PRINCIPALI - LAMELLARE	0	90	125	204
Beam 161	Beam2	2: PRINCIPALI - LAMELLARE	0	90	205	167
Beam 162	Beam2	2: PRINCIPALI - LAMELLARE	0	90	206	205
Beam 163	Beam2	2: PRINCIPALI - LAMELLARE	0	90	127	206
Beam 164	Beam2	2: PRINCIPALI - LAMELLARE	0	90	207	169
Beam 165	Beam2	2: PRINCIPALI - LAMELLARE	0	90	208	207
Beam 166	Beam2	2: PRINCIPALI - LAMELLARE	0	90	129	208
Beam 167	Beam2	2: PRINCIPALI - LAMELLARE	0	90	209	171
Beam 168	Beam2	2: PRINCIPALI - LAMELLARE	0	90	210	209
Beam 169	Beam2	2: PRINCIPALI - LAMELLARE	0	90	131	210
Beam 170	Beam2	2: PRINCIPALI - LAMELLARE	0	90	211	173
Beam 171	Beam2	2: PRINCIPALI - LAMELLARE	0	90	27	175
Beam 172	Beam2	2: PRINCIPALI - LAMELLARE	0	90	212	211
Beam 173	Beam2	2: PRINCIPALI - LAMELLARE	0	90	28	27
Beam 174	Beam2	2: PRINCIPALI - LAMELLARE	0	90	133	212
Beam 175	Beam2	2: PRINCIPALI - LAMELLARE	0	90	29	28
Beam 176	Beam2	2: PRINCIPALI - LAMELLARE	0	90	213	177
Beam 177	Beam2	2: PRINCIPALI - LAMELLARE	0	90	214	213
Beam 178	Beam2	2: PRINCIPALI - LAMELLARE	0	90	136	214
Beam 179	Beam2	2: PRINCIPALI - LAMELLARE	0	90	215	179
Beam 180	Beam2	2: PRINCIPALI - LAMELLARE	0	90	216	215
Beam 181	Beam2	2: PRINCIPALI - LAMELLARE	0	90	138	216
Beam 182	Beam2	2: PRINCIPALI - LAMELLARE	0	90	217	181
Beam 183	Beam2	2: PRINCIPALI - LAMELLARE	0	90	218	217
Beam 184	Beam2	2: PRINCIPALI - LAMELLARE	0	90	140	218
Beam 185	Beam2	2: PRINCIPALI - LAMELLARE	0	90	219	183
Beam 186	Beam2	2: PRINCIPALI - LAMELLARE	0	90	220	184
Beam 187	Beam2	2: PRINCIPALI - LAMELLARE	0	90	221	219
Beam 188	Beam2	2: PRINCIPALI - LAMELLARE	0	90	222	220
Beam 189	Beam2	2: PRINCIPALI - LAMELLARE	0	90	142	221
Beam 190	Beam2	2: PRINCIPALI - LAMELLARE	0	90	144	222
Beam 191	Beam2	2: PRINCIPALI - LAMELLARE	0	90	223	186
Beam 192	Beam2	2: PRINCIPALI - LAMELLARE	0	90	224	223
Beam 193	Beam2	2: PRINCIPALI - LAMELLARE	0	90	146	224
Beam 194	Beam2	2: PRINCIPALI - LAMELLARE	0	90	225	188
Beam 195	Beam2	2: PRINCIPALI - LAMELLARE	0	90	226	225
Beam 196	Beam2	2: PRINCIPALI - LAMELLARE	0	90	148	226
Beam 197	Beam2	2: PRINCIPALI - LAMELLARE	0	90	227	190
Beam 198	Beam2	2: PRINCIPALI - LAMELLARE	0	90	228	227
Beam 199	Beam2	2: PRINCIPALI - LAMELLARE	0	90	150	228
Beam 200	Beam2	2: PRINCIPALI - LAMELLARE	0	90	229	192
Beam 201	Beam2	2: PRINCIPALI - LAMELLARE	0	90	230	194
Beam 202	Beam2	2: PRINCIPALI - LAMELLARE	0	90	231	229
Beam 203	Beam2	2: PRINCIPALI - LAMELLARE	0	90	232	230
Beam 204	Beam2	2: PRINCIPALI - LAMELLARE	0	90	152	231
Beam 205	Beam2	2: PRINCIPALI - LAMELLARE	0	90	154	232
Beam 206	Beam2	2: PRINCIPALI - LAMELLARE	0	90	233	137
Beam 207	Beam2	2: PRINCIPALI - LAMELLARE	0	90	234	233
Beam 208	Beam2	2: PRINCIPALI - LAMELLARE	0	90	156	234

Beam 209	Beam2	2: PRINCIPALI - LAMELLARE	0	90	235	139
Beam 210	Beam2	2: PRINCIPALI - LAMELLARE	0	90	236	235
Beam 211	Beam2	2: PRINCIPALI - LAMELLARE	0	90	158	236
Beam 212	Beam2	2: PRINCIPALI - LAMELLARE	0	90	237	141
Beam 213	Beam2	2: PRINCIPALI - LAMELLARE	0	90	238	237
Beam 214	Beam2	2: PRINCIPALI - LAMELLARE	0	90	160	238
Beam 215	Beam2	2: PRINCIPALI - LAMELLARE	0	90	239	143
Beam 216	Beam2	2: PRINCIPALI - LAMELLARE	0	90	240	145
Beam 217	Beam2	2: PRINCIPALI - LAMELLARE	0	90	241	239
Beam 218	Beam2	2: PRINCIPALI - LAMELLARE	0	90	242	240
Beam 219	Beam2	2: PRINCIPALI - LAMELLARE	0	90	162	241
Beam 220	Beam2	2: PRINCIPALI - LAMELLARE	0	90	164	242
Beam 221	Beam2	2: PRINCIPALI - LAMELLARE	0	90	243	147
Beam 222	Beam2	2: PRINCIPALI - LAMELLARE	0	90	244	243
Beam 223	Beam2	2: PRINCIPALI - LAMELLARE	0	90	166	244
Beam 224	Beam2	2: PRINCIPALI - LAMELLARE	0	90	245	149
Beam 225	Beam2	2: PRINCIPALI - LAMELLARE	0	90	246	245
Beam 226	Beam2	2: PRINCIPALI - LAMELLARE	0	90	168	246
Beam 227	Beam2	2: PRINCIPALI - LAMELLARE	0	90	247	151
Beam 228	Beam2	2: PRINCIPALI - LAMELLARE	0	90	248	247
Beam 229	Beam2	2: PRINCIPALI - LAMELLARE	0	90	170	248
Beam 230	Beam2	2: PRINCIPALI - LAMELLARE	0	90	249	153
Beam 231	Beam2	2: PRINCIPALI - LAMELLARE	0	90	250	155
Beam 232	Beam2	2: PRINCIPALI - LAMELLARE	0	90	251	249
Beam 233	Beam2	2: PRINCIPALI - LAMELLARE	0	90	252	250
Beam 234	Beam2	2: PRINCIPALI - LAMELLARE	0	90	172	251
Beam 235	Beam2	2: PRINCIPALI - LAMELLARE	0	90	174	252
Beam 236	Beam2	2: PRINCIPALI - LAMELLARE	0	90	254	253
Beam 237	Beam2	2: PRINCIPALI - LAMELLARE	0	90	255	254
Beam 238	Beam2	2: PRINCIPALI - LAMELLARE	0	90	176	255
Beam 239	Beam2	2: PRINCIPALI - LAMELLARE	0	90	257	256
Beam 240	Beam2	2: PRINCIPALI - LAMELLARE	0	90	258	257
Beam 241	Beam2	2: PRINCIPALI - LAMELLARE	0	90	178	258
Beam 242	Beam2	2: PRINCIPALI - LAMELLARE	0	90	260	259
Beam 243	Beam2	2: PRINCIPALI - LAMELLARE	0	90	261	260
Beam 244	Beam2	2: PRINCIPALI - LAMELLARE	0	90	180	261
Beam 245	Beam2	2: PRINCIPALI - LAMELLARE	0	90	263	262
Beam 246	Beam2	2: PRINCIPALI - LAMELLARE	0	90	64	264
Beam 247	Beam2	2: PRINCIPALI - LAMELLARE	0	90	265	263
Beam 248	Beam2	2: PRINCIPALI - LAMELLARE	0	90	182	265
Beam 249	Beam2	2: PRINCIPALI - LAMELLARE	0	90	266	118
Beam 250	Beam2	2: PRINCIPALI - LAMELLARE	0	90	267	266
Beam 251	Beam2	2: PRINCIPALI - LAMELLARE	0	90	185	267
Beam 252	Beam2	2: PRINCIPALI - LAMELLARE	0	90	268	120
Beam 253	Beam2	2: PRINCIPALI - LAMELLARE	0	90	269	268
Beam 254	Beam2	2: PRINCIPALI - LAMELLARE	0	90	187	269
Beam 255	Beam2	2: PRINCIPALI - LAMELLARE	0	90	270	122
Beam 256	Beam2	2: PRINCIPALI - LAMELLARE	0	90	271	270
Beam 257	Beam2	2: PRINCIPALI - LAMELLARE	0	90	189	271
Beam 258	Beam2	2: PRINCIPALI - LAMELLARE	0	90	272	124

Beam 259	Beam2	2: PRINCIPALI - LAMELLARE	0	90	273	126
Beam 260	Beam2	2: PRINCIPALI - LAMELLARE	0	90	274	272
Beam 261	Beam2	2: PRINCIPALI - LAMELLARE	0	90	275	273
Beam 262	Beam2	2: PRINCIPALI - LAMELLARE	0	90	191	274
Beam 263	Beam2	2: PRINCIPALI - LAMELLARE	0	90	193	275
Beam 264	Beam2	5: ARCARECCI - LAMELLARE	0	90	277	276
Beam 265	Beam2	5: ARCARECCI - LAMELLARE	0	90	278	277
Beam 266	Beam2	5: ARCARECCI - LAMELLARE	0	90	279	278
Beam 267	Beam2	5: ARCARECCI - LAMELLARE	0	90	280	279
Beam 268	Beam2	5: ARCARECCI - LAMELLARE	0	90	282	281
Beam 269	Beam2	5: ARCARECCI - LAMELLARE	0	90	283	282
Beam 270	Beam2	5: ARCARECCI - LAMELLARE	0	90	284	283
Beam 271	Beam2	5: ARCARECCI - LAMELLARE	0	90	285	284
Beam 272	Beam2	5: ARCARECCI - LAMELLARE	0	90	287	286
Beam 273	Beam2	5: ARCARECCI - LAMELLARE	0	90	288	287
Beam 274	Beam2	5: ARCARECCI - LAMELLARE	0	90	289	288
Beam 275	Beam2	5: ARCARECCI - LAMELLARE	0	90	290	289
Beam 276	Beam2	5: ARCARECCI - LAMELLARE	0	90	292	291
Beam 277	Beam2	5: ARCARECCI - LAMELLARE	0	90	293	292
Beam 278	Beam2	5: ARCARECCI - LAMELLARE	0	90	294	293
Beam 279	Beam2	5: ARCARECCI - LAMELLARE	0	90	295	294
Beam 280	Beam2	5: ARCARECCI - LAMELLARE	0	90	297	296
Beam 281	Beam2	5: ARCARECCI - LAMELLARE	0	90	298	297
Beam 282	Beam2	5: ARCARECCI - LAMELLARE	0	90	299	298
Beam 283	Beam2	5: ARCARECCI - LAMELLARE	0	90	300	299
Beam 284	Beam2	5: ARCARECCI - LAMELLARE	0	90	302	301
Beam 285	Beam2	5: ARCARECCI - LAMELLARE	0	90	303	302
Beam 286	Beam2	5: ARCARECCI - LAMELLARE	0	90	304	303
Beam 287	Beam2	5: ARCARECCI - LAMELLARE	0	90	305	304
Beam 288	Beam2	5: ARCARECCI - LAMELLARE	0	90	307	306
Beam 289	Beam2	5: ARCARECCI - LAMELLARE	0	90	308	307
Beam 290	Beam2	5: ARCARECCI - LAMELLARE	0	90	309	308
Beam 291	Beam2	5: ARCARECCI - LAMELLARE	0	90	310	309
Beam 292	Beam2	5: ARCARECCI - LAMELLARE	0	90	312	311
Beam 293	Beam2	5: ARCARECCI - LAMELLARE	0	90	313	312
Beam 294	Beam2	5: ARCARECCI - LAMELLARE	0	90	314	313
Beam 295	Beam2	5: ARCARECCI - LAMELLARE	0	90	315	314
Beam 296	Beam2	5: ARCARECCI - LAMELLARE	0	90	317	316
Beam 297	Beam2	5: ARCARECCI - LAMELLARE	0	90	318	317
Beam 298	Beam2	5: ARCARECCI - LAMELLARE	0	90	319	318
Beam 299	Beam2	5: ARCARECCI - LAMELLARE	0	90	320	319
Beam 300	Beam2	5: ARCARECCI - LAMELLARE	0	90	322	321
Beam 301	Beam2	5: ARCARECCI - LAMELLARE	0	90	323	322
Beam 302	Beam2	5: ARCARECCI - LAMELLARE	0	90	324	323
Beam 303	Beam2	5: ARCARECCI - LAMELLARE	0	90	30	324
Beam 304	Beam2	5: ARCARECCI - LAMELLARE	0	90	326	325
Beam 305	Beam2	5: ARCARECCI - LAMELLARE	0	90	327	326
Beam 306	Beam2	5: ARCARECCI - LAMELLARE	0	90	328	327
Beam 307	Beam2	5: ARCARECCI - LAMELLARE	0	90	31	328
Beam 308	Beam2	5: ARCARECCI - LAMELLARE	0	90	330	329

Beam 309	Beam2	5: ARCARECCI - LAMELLARE	0	90	331	330
Beam 310	Beam2	5: ARCARECCI - LAMELLARE	0	90	332	331
Beam 311	Beam2	5: ARCARECCI - LAMELLARE	0	90	32	332
Beam 312	Beam2	5: ARCARECCI - LAMELLARE	0	90	334	333
Beam 313	Beam2	5: ARCARECCI - LAMELLARE	0	90	335	334
Beam 314	Beam2	5: ARCARECCI - LAMELLARE	0	90	336	335
Beam 315	Beam2	5: ARCARECCI - LAMELLARE	0	90	337	336
Beam 316	Beam2	5: ARCARECCI - LAMELLARE	0	90	339	338
Beam 317	Beam2	5: ARCARECCI - LAMELLARE	0	90	340	339
Beam 318	Beam2	5: ARCARECCI - LAMELLARE	0	90	341	340
Beam 319	Beam2	5: ARCARECCI - LAMELLARE	0	90	342	341
Beam 320	Beam2	5: ARCARECCI - LAMELLARE	0	90	344	343
Beam 321	Beam2	5: ARCARECCI - LAMELLARE	0	90	345	344
Beam 322	Beam2	5: ARCARECCI - LAMELLARE	0	90	346	345
Beam 323	Beam2	5: ARCARECCI - LAMELLARE	0	90	347	346
Beam 324	Beam2	5: ARCARECCI - LAMELLARE	0	90	349	348
Beam 325	Beam2	5: ARCARECCI - LAMELLARE	0	90	350	349
Beam 326	Beam2	5: ARCARECCI - LAMELLARE	0	90	351	350
Beam 327	Beam2	5: ARCARECCI - LAMELLARE	0	90	352	351
Beam 328	Beam2	5: ARCARECCI - LAMELLARE	0	90	354	353
Beam 329	Beam2	5: ARCARECCI - LAMELLARE	0	90	355	354
Beam 330	Beam2	5: ARCARECCI - LAMELLARE	0	90	356	355
Beam 331	Beam2	5: ARCARECCI - LAMELLARE	0	90	357	356
Beam 332	Beam2	5: ARCARECCI - LAMELLARE	0	90	359	358
Beam 333	Beam2	5: ARCARECCI - LAMELLARE	0	90	360	359
Beam 334	Beam2	5: ARCARECCI - LAMELLARE	0	90	361	360
Beam 335	Beam2	5: ARCARECCI - LAMELLARE	0	90	362	361
Beam 336	Beam2	5: ARCARECCI - LAMELLARE	0	90	364	363
Beam 337	Beam2	5: ARCARECCI - LAMELLARE	0	90	365	364
Beam 338	Beam2	5: ARCARECCI - LAMELLARE	0	90	366	365
Beam 339	Beam2	5: ARCARECCI - LAMELLARE	0	90	367	366
Beam 340	Beam2	5: ARCARECCI - LAMELLARE	0	90	369	368
Beam 341	Beam2	5: ARCARECCI - LAMELLARE	0	90	370	369
Beam 342	Beam2	5: ARCARECCI - LAMELLARE	0	90	371	370
Beam 343	Beam2	5: ARCARECCI - LAMELLARE	0	90	372	371
Beam 344	Beam2	5: ARCARECCI - LAMELLARE	0	90	374	373
Beam 345	Beam2	5: ARCARECCI - LAMELLARE	0	90	375	374
Beam 346	Beam2	5: ARCARECCI - LAMELLARE	0	90	376	375
Beam 347	Beam2	5: ARCARECCI - LAMELLARE	0	90	377	376
Beam 348	Beam2	5: ARCARECCI - LAMELLARE	0	90	379	378
Beam 349	Beam2	5: ARCARECCI - LAMELLARE	0	90	380	379
Beam 350	Beam2	5: ARCARECCI - LAMELLARE	0	90	381	380
Beam 351	Beam2	5: ARCARECCI - LAMELLARE	0	90	382	381
Beam 352	Beam2	5: ARCARECCI - LAMELLARE	0	90	384	383
Beam 353	Beam2	5: ARCARECCI - LAMELLARE	0	90	385	384
Beam 354	Beam2	5: ARCARECCI - LAMELLARE	0	90	386	385
Beam 355	Beam2	5: ARCARECCI - LAMELLARE	0	90	387	386
Beam 356	Beam2	5: ARCARECCI - LAMELLARE	0	90	389	388
Beam 357	Beam2	5: ARCARECCI - LAMELLARE	0	90	390	389
Beam 358	Beam2	5: ARCARECCI - LAMELLARE	0	90	391	390

Beam 359	Beam2	5: ARCARECCI - LAMELLARE	0	90	392	391
Beam 360	Beam2	5: ARCARECCI - LAMELLARE	0	90	394	393
Beam 361	Beam2	5: ARCARECCI - LAMELLARE	0	90	395	394
Beam 362	Beam2	5: ARCARECCI - LAMELLARE	0	90	396	395
Beam 363	Beam2	5: ARCARECCI - LAMELLARE	0	90	66	396
Beam 364	Beam2	5: ARCARECCI - LAMELLARE	0	90	398	397
Beam 365	Beam2	5: ARCARECCI - LAMELLARE	0	90	399	398
Beam 366	Beam2	5: ARCARECCI - LAMELLARE	0	90	400	399
Beam 367	Beam2	5: ARCARECCI - LAMELLARE	0	90	65	400
Beam 368	Beam2	5: ARCARECCI - LAMELLARE	0	90	402	401
Beam 369	Beam2	5: ARCARECCI - LAMELLARE	0	90	403	402
Beam 370	Beam2	5: ARCARECCI - LAMELLARE	0	90	404	403
Beam 371	Beam2	5: ARCARECCI - LAMELLARE	0	90	67	404
Beam 372	Beam2	5: ARCARECCI - LAMELLARE	0	90	406	405
Beam 373	Beam2	5: ARCARECCI - LAMELLARE	0	90	407	406
Beam 374	Beam2	5: ARCARECCI - LAMELLARE	0	90	408	407
Beam 375	Beam2	5: ARCARECCI - LAMELLARE	0	90	409	408
Beam 376	Beam2	5: ARCARECCI - LAMELLARE	0	90	411	410
Beam 377	Beam2	5: ARCARECCI - LAMELLARE	0	90	412	411
Beam 378	Beam2	5: ARCARECCI - LAMELLARE	0	90	413	412
Beam 379	Beam2	5: ARCARECCI - LAMELLARE	0	90	414	413
Beam 380	Beam2	5: ARCARECCI - LAMELLARE	0	90	416	415
Beam 381	Beam2	5: ARCARECCI - LAMELLARE	0	90	417	416
Beam 382	Beam2	5: ARCARECCI - LAMELLARE	0	90	418	417
Beam 383	Beam2	5: ARCARECCI - LAMELLARE	0	90	419	418
Beam 384	Beam2	5: ARCARECCI - LAMELLARE	0	90	421	420
Beam 385	Beam2	5: ARCARECCI - LAMELLARE	0	90	422	421
Beam 386	Beam2	5: ARCARECCI - LAMELLARE	0	90	423	422
Beam 387	Beam2	5: ARCARECCI - LAMELLARE	0	90	424	423
Beam 388	Beam2	5: ARCARECCI - LAMELLARE	0	90	426	425
Beam 389	Beam2	5: ARCARECCI - LAMELLARE	0	90	427	426
Beam 390	Beam2	5: ARCARECCI - LAMELLARE	0	90	428	427
Beam 391	Beam2	5: ARCARECCI - LAMELLARE	0	90	429	428
Beam 392	Beam2	5: ARCARECCI - LAMELLARE	0	90	431	430
Beam 393	Beam2	5: ARCARECCI - LAMELLARE	0	90	432	431
Beam 394	Beam2	5: ARCARECCI - LAMELLARE	0	90	433	432
Beam 395	Beam2	5: ARCARECCI - LAMELLARE	0	90	434	433
Beam 396	Beam2	8: CONTROVENTI	0	0	297	430
Beam 397	Beam2	8: CONTROVENTI	0	0	276	297
Beam 398	Beam2	8: CONTROVENTI	0	0	287	276
Beam 399	Beam2	8: CONTROVENTI	0	0	425	287
Beam 400	Beam2	8: CONTROVENTI	0	0	302	425
Beam 401	Beam2	8: CONTROVENTI	0	0	281	302
Beam 402	Beam2	8: CONTROVENTI	0	0	292	281
Beam 403	Beam2	8: CONTROVENTI	0	0	420	292
Beam 404	Beam2	8: CONTROVENTI	0	0	294	424
Beam 405	Beam2	8: CONTROVENTI	0	0	285	294
Beam 406	Beam2	8: CONTROVENTI	0	0	304	285
Beam 407	Beam2	8: CONTROVENTI	0	0	429	304
Beam 408	Beam2	8: CONTROVENTI	0	0	289	429

Beam 409	Beam2	8: CONTROVENTI	0	0	280	289
Beam 410	Beam2	8: CONTROVENTI	0	0	299	280
Beam 411	Beam2	8: CONTROVENTI	0	0	434	299
Beam 468	Beam2	4: FICT 1	0	0	317	117
Beam 469	Beam2	4: FICT 1	0	0	426	118
Beam 470	Beam2	4: FICT 1	0	0	318	119
Beam 471	Beam2	4: FICT 1	0	0	427	120
Beam 472	Beam2	4: FICT 1	0	0	319	121
Beam 473	Beam2	4: FICT 1	0	0	428	122
Beam 474	Beam2	4: FICT 1	0	0	316	123
Beam 475	Beam2	4: FICT 1	0	0	320	125
Beam 476	Beam2	4: FICT 1	0	0	425	124
Beam 477	Beam2	4: FICT 1	0	0	429	126
Beam 478	Beam2	4: FICT 1	0	0	330	127
Beam 479	Beam2	4: FICT 1	0	0	421	128
Beam 480	Beam2	4: FICT 1	0	0	331	129
Beam 481	Beam2	4: FICT 1	0	0	422	130
Beam 482	Beam2	4: FICT 1	0	0	332	131
Beam 483	Beam2	4: FICT 1	0	0	423	132
Beam 484	Beam2	4: FICT 1	0	0	329	133
Beam 485	Beam2	4: FICT 1	0	0	420	134
Beam 486	Beam2	4: FICT 1	0	0	424	135
Beam 487	Beam2	4: FICT 1	0	0	344	136
Beam 488	Beam2	4: FICT 1	0	0	277	137
Beam 489	Beam2	4: FICT 1	0	0	345	138
Beam 490	Beam2	4: FICT 1	0	0	278	139
Beam 491	Beam2	4: FICT 1	0	0	346	140
Beam 492	Beam2	4: FICT 1	0	0	279	141
Beam 493	Beam2	4: FICT 1	0	0	343	142
Beam 494	Beam2	4: FICT 1	0	0	347	144
Beam 495	Beam2	4: FICT 1	0	0	276	143
Beam 496	Beam2	4: FICT 1	0	0	280	145
Beam 497	Beam2	4: FICT 1	0	0	359	146
Beam 498	Beam2	4: FICT 1	0	0	282	147
Beam 499	Beam2	4: FICT 1	0	0	360	148
Beam 500	Beam2	4: FICT 1	0	0	283	149
Beam 501	Beam2	4: FICT 1	0	0	361	150
Beam 502	Beam2	4: FICT 1	0	0	284	151
Beam 503	Beam2	4: FICT 1	0	0	358	152
Beam 504	Beam2	4: FICT 1	0	0	362	154
Beam 505	Beam2	4: FICT 1	0	0	281	153
Beam 506	Beam2	4: FICT 1	0	0	285	155
Beam 507	Beam2	4: FICT 1	0	0	374	156
Beam 508	Beam2	4: FICT 1	0	0	287	157
Beam 509	Beam2	4: FICT 1	0	0	375	158
Beam 510	Beam2	4: FICT 1	0	0	288	159
Beam 511	Beam2	4: FICT 1	0	0	376	160
Beam 512	Beam2	4: FICT 1	0	0	289	161
Beam 513	Beam2	4: FICT 1	0	0	373	162
Beam 514	Beam2	4: FICT 1	0	0	377	164

Beam 515	Beam2	4: FICT 1	0	0	286	163
Beam 516	Beam2	4: FICT 1	0	0	290	165
Beam 517	Beam2	4: FICT 1	0	0	389	166
Beam 518	Beam2	4: FICT 1	0	0	292	167
Beam 519	Beam2	4: FICT 1	0	0	390	168
Beam 520	Beam2	4: FICT 1	0	0	293	169
Beam 521	Beam2	4: FICT 1	0	0	391	170
Beam 522	Beam2	4: FICT 1	0	0	294	171
Beam 523	Beam2	4: FICT 1	0	0	388	172
Beam 524	Beam2	4: FICT 1	0	0	392	174
Beam 525	Beam2	4: FICT 1	0	0	291	173
Beam 526	Beam2	4: FICT 1	0	0	295	175
Beam 527	Beam2	4: FICT 1	0	0	402	176
Beam 528	Beam2	4: FICT 1	0	0	297	177
Beam 529	Beam2	4: FICT 1	0	0	403	178
Beam 530	Beam2	4: FICT 1	0	0	298	179
Beam 531	Beam2	4: FICT 1	0	0	404	180
Beam 532	Beam2	4: FICT 1	0	0	299	181
Beam 533	Beam2	4: FICT 1	0	0	401	182
Beam 534	Beam2	4: FICT 1	0	0	296	183
Beam 535	Beam2	4: FICT 1	0	0	300	184
Beam 536	Beam2	4: FICT 1	0	0	416	185
Beam 537	Beam2	4: FICT 1	0	0	302	186
Beam 538	Beam2	4: FICT 1	0	0	417	187
Beam 539	Beam2	4: FICT 1	0	0	303	188
Beam 540	Beam2	4: FICT 1	0	0	418	189
Beam 541	Beam2	4: FICT 1	0	0	304	190
Beam 542	Beam2	4: FICT 1	0	0	415	191
Beam 543	Beam2	4: FICT 1	0	0	419	193
Beam 544	Beam2	4: FICT 1	0	0	301	192
Beam 545	Beam2	4: FICT 1	0	0	305	194
Beam 546	Beam2	4: FICT 1	0	0	307	195
Beam 547	Beam2	4: FICT 1	0	0	312	196
Beam 548	Beam2	4: FICT 1	0	0	308	197
Beam 549	Beam2	4: FICT 1	0	0	313	198
Beam 550	Beam2	4: FICT 1	0	0	309	199
Beam 551	Beam2	4: FICT 1	0	0	314	200
Beam 552	Beam2	4: FICT 1	0	0	306	201
Beam 553	Beam2	4: FICT 1	0	0	310	202
Beam 554	Beam2	4: FICT 1	0	0	311	203
Beam 555	Beam2	4: FICT 1	0	0	315	204
Beam 556	Beam2	4: FICT 1	0	0	322	205
Beam 557	Beam2	4: FICT 1	0	0	326	206
Beam 558	Beam2	4: FICT 1	0	0	323	207
Beam 559	Beam2	4: FICT 1	0	0	327	208
Beam 560	Beam2	4: FICT 1	0	0	324	209
Beam 561	Beam2	4: FICT 1	0	0	328	210
Beam 562	Beam2	4: FICT 1	0	0	321	211
Beam 563	Beam2	4: FICT 1	0	0	325	212
Beam 564	Beam2	4: FICT 1	0	0	334	213

Beam 565	Beam2	4: FICT 1	0	0	339	214
Beam 566	Beam2	4: FICT 1	0	0	335	215
Beam 567	Beam2	4: FICT 1	0	0	340	216
Beam 568	Beam2	4: FICT 1	0	0	336	217
Beam 569	Beam2	4: FICT 1	0	0	341	218
Beam 570	Beam2	4: FICT 1	0	0	333	219
Beam 571	Beam2	4: FICT 1	0	0	337	220
Beam 572	Beam2	4: FICT 1	0	0	338	221
Beam 573	Beam2	4: FICT 1	0	0	342	222
Beam 574	Beam2	4: FICT 1	0	0	349	223
Beam 575	Beam2	4: FICT 1	0	0	354	224
Beam 576	Beam2	4: FICT 1	0	0	350	225
Beam 577	Beam2	4: FICT 1	0	0	355	226
Beam 578	Beam2	4: FICT 1	0	0	351	227
Beam 579	Beam2	4: FICT 1	0	0	356	228
Beam 580	Beam2	4: FICT 1	0	0	348	229
Beam 581	Beam2	4: FICT 1	0	0	352	230
Beam 582	Beam2	4: FICT 1	0	0	353	231
Beam 583	Beam2	4: FICT 1	0	0	357	232
Beam 584	Beam2	4: FICT 1	0	0	364	233
Beam 585	Beam2	4: FICT 1	0	0	369	234
Beam 586	Beam2	4: FICT 1	0	0	365	235
Beam 587	Beam2	4: FICT 1	0	0	370	236
Beam 588	Beam2	4: FICT 1	0	0	366	237
Beam 589	Beam2	4: FICT 1	0	0	371	238
Beam 590	Beam2	4: FICT 1	0	0	363	239
Beam 591	Beam2	4: FICT 1	0	0	367	240
Beam 592	Beam2	4: FICT 1	0	0	368	241
Beam 593	Beam2	4: FICT 1	0	0	372	242
Beam 594	Beam2	4: FICT 1	0	0	379	243
Beam 595	Beam2	4: FICT 1	0	0	384	244
Beam 596	Beam2	4: FICT 1	0	0	380	245
Beam 597	Beam2	4: FICT 1	0	0	385	246
Beam 598	Beam2	4: FICT 1	0	0	381	247
Beam 599	Beam2	4: FICT 1	0	0	386	248
Beam 600	Beam2	4: FICT 1	0	0	378	249
Beam 601	Beam2	4: FICT 1	0	0	382	250
Beam 602	Beam2	4: FICT 1	0	0	383	251
Beam 603	Beam2	4: FICT 1	0	0	387	252
Beam 604	Beam2	4: FICT 1	0	0	431	253
Beam 605	Beam2	4: FICT 1	0	0	432	256
Beam 606	Beam2	4: FICT 1	0	0	433	259
Beam 607	Beam2	4: FICT 1	0	0	430	262
Beam 608	Beam2	4: FICT 1	0	0	434	264
Beam 609	Beam2	4: FICT 1	0	0	394	254
Beam 610	Beam2	4: FICT 1	0	0	398	255
Beam 611	Beam2	4: FICT 1	0	0	395	257
Beam 612	Beam2	4: FICT 1	0	0	399	258
Beam 613	Beam2	4: FICT 1	0	0	396	260
Beam 614	Beam2	4: FICT 1	0	0	400	261

Beam 615	Beam2	4: FICT 1	0	0	393	263
Beam 616	Beam2	4: FICT 1	0	0	397	265
Beam 617	Beam2	4: FICT 1	0	0	406	266
Beam 618	Beam2	4: FICT 1	0	0	411	267
Beam 619	Beam2	4: FICT 1	0	0	407	268
Beam 620	Beam2	4: FICT 1	0	0	412	269
Beam 621	Beam2	4: FICT 1	0	0	408	270
Beam 622	Beam2	4: FICT 1	0	0	413	271
Beam 623	Beam2	4: FICT 1	0	0	405	272
Beam 624	Beam2	4: FICT 1	0	0	409	273
Beam 625	Beam2	4: FICT 1	0	0	410	274
Beam 626	Beam2	4: FICT 1	0	0	414	275
Beam 627	Beam2	4: FICT 1	0	0	471	262
Beam 628	Beam2	4: FICT 1	0	0	145	486
Beam 629	Beam2	4: FICT 1	0	0	155	482
Beam 630	Beam2	4: FICT 1	0	0	165	485
Beam 631	Beam2	4: FICT 1	0	0	175	481
Beam 632	Beam2	4: FICT 1	0	0	184	487
Beam 633	Beam2	4: FICT 1	0	0	194	483
Beam 634	Beam2	4: FICT 1	0	0	143	473
Beam 635	Beam2	4: FICT 1	0	0	153	477
Beam 636	Beam2	4: FICT 1	0	0	163	474
Beam 637	Beam2	4: FICT 1	0	0	173	478
Beam 638	Beam2	4: FICT 1	0	0	183	472
Beam 639	Beam2	4: FICT 1	0	0	192	476
Beam 640	Beam2	21: FICT 3	0	0	316	489
Beam 641	Beam2	21: FICT 3	0	0	317	490
Beam 642	Beam2	21: FICT 3	0	0	329	491
Beam 643	Beam2	21: FICT 3	0	0	420	492
Beam 644	Beam2	21: FICT 3	0	0	421	493
Beam 645	Beam2	21: FICT 3	0	0	330	494
Beam 646	Beam2	21: FICT 3	0	0	343	495
Beam 647	Beam2	21: FICT 3	0	0	276	496
Beam 648	Beam2	21: FICT 3	0	0	277	497
Beam 649	Beam2	21: FICT 3	0	0	344	498
Beam 650	Beam2	21: FICT 3	0	0	358	499
Beam 651	Beam2	21: FICT 3	0	0	281	500
Beam 652	Beam2	21: FICT 3	0	0	282	501
Beam 653	Beam2	21: FICT 3	0	0	359	502
Beam 654	Beam2	21: FICT 3	0	0	373	503
Beam 655	Beam2	21: FICT 3	0	0	286	504
Beam 656	Beam2	21: FICT 3	0	0	287	505
Beam 657	Beam2	21: FICT 3	0	0	374	506
Beam 658	Beam2	21: FICT 3	0	0	388	507
Beam 659	Beam2	21: FICT 3	0	0	291	508
Beam 660	Beam2	21: FICT 3	0	0	292	509
Beam 661	Beam2	21: FICT 3	0	0	389	510
Beam 662	Beam2	21: FICT 3	0	0	401	511
Beam 663	Beam2	21: FICT 3	0	0	296	512
Beam 664	Beam2	21: FICT 3	0	0	297	513

Beam 665	Beam2	21: FICT 3	0	0	402	514
Beam 666	Beam2	21: FICT 3	0	0	301	515
Beam 667	Beam2	21: FICT 3	0	0	302	516
Beam 668	Beam2	21: FICT 3	0	0	318	517
Beam 669	Beam2	21: FICT 3	0	0	319	518
Beam 670	Beam2	21: FICT 3	0	0	320	519
Beam 671	Beam2	21: FICT 3	0	0	422	520
Beam 672	Beam2	21: FICT 3	0	0	331	521
Beam 673	Beam2	21: FICT 3	0	0	423	522
Beam 674	Beam2	21: FICT 3	0	0	332	523
Beam 675	Beam2	21: FICT 3	0	0	424	524
Beam 676	Beam2	21: FICT 3	0	0	278	525
Beam 677	Beam2	21: FICT 3	0	0	345	526
Beam 678	Beam2	21: FICT 3	0	0	279	527
Beam 679	Beam2	21: FICT 3	0	0	346	528
Beam 680	Beam2	21: FICT 3	0	0	280	529
Beam 681	Beam2	21: FICT 3	0	0	347	530
Beam 682	Beam2	21: FICT 3	0	0	283	531
Beam 683	Beam2	21: FICT 3	0	0	360	532
Beam 684	Beam2	21: FICT 3	0	0	284	533
Beam 685	Beam2	21: FICT 3	0	0	361	534
Beam 686	Beam2	21: FICT 3	0	0	285	535
Beam 687	Beam2	21: FICT 3	0	0	362	536
Beam 688	Beam2	21: FICT 3	0	0	288	537
Beam 689	Beam2	21: FICT 3	0	0	375	538
Beam 690	Beam2	21: FICT 3	0	0	289	539
Beam 691	Beam2	21: FICT 3	0	0	376	540
Beam 692	Beam2	21: FICT 3	0	0	290	541
Beam 693	Beam2	21: FICT 3	0	0	377	542
Beam 694	Beam2	21: FICT 3	0	0	293	543
Beam 695	Beam2	21: FICT 3	0	0	390	544
Beam 696	Beam2	21: FICT 3	0	0	294	545
Beam 697	Beam2	21: FICT 3	0	0	391	546
Beam 698	Beam2	21: FICT 3	0	0	295	547
Beam 699	Beam2	21: FICT 3	0	0	392	548
Beam 700	Beam2	21: FICT 3	0	0	298	549
Beam 701	Beam2	21: FICT 3	0	0	403	550
Beam 702	Beam2	21: FICT 3	0	0	299	551
Beam 703	Beam2	21: FICT 3	0	0	404	552
Beam 704	Beam2	21: FICT 3	0	0	300	553
Beam 705	Beam2	21: FICT 3	0	0	303	554
Beam 706	Beam2	21: FICT 3	0	0	304	555
Beam 707	Beam2	21: FICT 3	0	0	305	556
Beam 708	Beam2	21: FICT 3	0	0	306	557
Beam 709	Beam2	21: FICT 3	0	0	307	558
Beam 710	Beam2	21: FICT 3	0	0	311	559
Beam 711	Beam2	21: FICT 3	0	0	312	560
Beam 712	Beam2	21: FICT 3	0	0	321	561
Beam 713	Beam2	21: FICT 3	0	0	322	562
Beam 714	Beam2	21: FICT 3	0	0	325	563

Beam 715	Beam2	21: FICT 3	0	0	326	564
Beam 716	Beam2	21: FICT 3	0	0	333	565
Beam 717	Beam2	21: FICT 3	0	0	334	566
Beam 718	Beam2	21: FICT 3	0	0	338	567
Beam 719	Beam2	21: FICT 3	0	0	339	568
Beam 720	Beam2	21: FICT 3	0	0	348	569
Beam 721	Beam2	21: FICT 3	0	0	349	570
Beam 722	Beam2	21: FICT 3	0	0	353	571
Beam 723	Beam2	21: FICT 3	0	0	354	572
Beam 724	Beam2	21: FICT 3	0	0	363	573
Beam 725	Beam2	21: FICT 3	0	0	364	574
Beam 726	Beam2	21: FICT 3	0	0	368	575
Beam 727	Beam2	21: FICT 3	0	0	369	576
Beam 728	Beam2	21: FICT 3	0	0	378	577
Beam 729	Beam2	21: FICT 3	0	0	379	578
Beam 730	Beam2	21: FICT 3	0	0	383	579
Beam 731	Beam2	21: FICT 3	0	0	384	580
Beam 732	Beam2	21: FICT 3	0	0	430	581
Beam 733	Beam2	21: FICT 3	0	0	431	582
Beam 734	Beam2	21: FICT 3	0	0	393	583
Beam 735	Beam2	21: FICT 3	0	0	394	584
Beam 736	Beam2	21: FICT 3	0	0	397	585
Beam 737	Beam2	21: FICT 3	0	0	398	586
Beam 738	Beam2	21: FICT 3	0	0	308	587
Beam 739	Beam2	21: FICT 3	0	0	313	588
Beam 740	Beam2	21: FICT 3	0	0	309	589
Beam 741	Beam2	21: FICT 3	0	0	314	590
Beam 742	Beam2	21: FICT 3	0	0	310	591
Beam 743	Beam2	21: FICT 3	0	0	315	592
Beam 744	Beam2	21: FICT 3	0	0	323	593
Beam 745	Beam2	21: FICT 3	0	0	327	594
Beam 746	Beam2	21: FICT 3	0	0	324	595
Beam 747	Beam2	21: FICT 3	0	0	328	596
Beam 748	Beam2	21: FICT 3	0	0	335	597
Beam 749	Beam2	21: FICT 3	0	0	340	598
Beam 750	Beam2	21: FICT 3	0	0	336	599
Beam 751	Beam2	21: FICT 3	0	0	341	600
Beam 752	Beam2	21: FICT 3	0	0	337	601
Beam 753	Beam2	21: FICT 3	0	0	342	602
Beam 754	Beam2	21: FICT 3	0	0	350	603
Beam 755	Beam2	21: FICT 3	0	0	355	604
Beam 756	Beam2	21: FICT 3	0	0	351	605
Beam 757	Beam2	21: FICT 3	0	0	356	606
Beam 758	Beam2	21: FICT 3	0	0	352	607
Beam 759	Beam2	21: FICT 3	0	0	357	608
Beam 760	Beam2	21: FICT 3	0	0	365	609
Beam 761	Beam2	21: FICT 3	0	0	370	610
Beam 762	Beam2	21: FICT 3	0	0	366	611
Beam 763	Beam2	21: FICT 3	0	0	371	612
Beam 764	Beam2	21: FICT 3	0	0	367	613

Beam 765	Beam2	21: FICT 3	0	0	372	614
Beam 766	Beam2	21: FICT 3	0	0	380	615
Beam 767	Beam2	21: FICT 3	0	0	385	616
Beam 768	Beam2	21: FICT 3	0	0	381	617
Beam 769	Beam2	21: FICT 3	0	0	386	618
Beam 770	Beam2	21: FICT 3	0	0	382	619
Beam 771	Beam2	21: FICT 3	0	0	387	620
Beam 772	Beam2	21: FICT 3	0	0	432	621
Beam 773	Beam2	21: FICT 3	0	0	433	622
Beam 774	Beam2	21: FICT 3	0	0	434	623
Beam 775	Beam2	21: FICT 3	0	0	395	624
Beam 776	Beam2	21: FICT 3	0	0	399	625
Beam 777	Beam2	21: FICT 3	0	0	396	626
Beam 778	Beam2	21: FICT 3	0	0	400	627
Beam 779	Beam2	6: FICT 2	0	0	633	632
Beam 780	Beam2	6: FICT 2	0	0	634	629
Beam 781	Beam2	6: FICT 2	0	0	635	632
Beam 782	Beam2	6: FICT 2	0	0	636	629
Beam 783	Beam2	4: FICT 1	0	0	637	223
Beam 784	Beam2	4: FICT 1	0	0	638	225
Beam 785	Beam2	4: FICT 1	0	0	639	227
Beam 786	Beam2	4: FICT 1	0	0	635	229
Beam 787	Beam2	4: FICT 1	0	0	636	230
Beam 788	Beam2	6: FICT 2	0	0	639	630
Beam 789	Beam2	6: FICT 2	0	0	638	631
Beam 790	Beam2	6: FICT 2	0	0	637	628
Beam 791	Beam2	6: FICT 2	0	0	645	644
Beam 792	Beam2	6: FICT 2	0	0	646	641
Beam 793	Beam2	6: FICT 2	0	0	647	644
Beam 794	Beam2	6: FICT 2	0	0	648	641
Beam 795	Beam2	4: FICT 1	0	0	649	156
Beam 796	Beam2	4: FICT 1	0	0	650	158
Beam 797	Beam2	4: FICT 1	0	0	651	160
Beam 798	Beam2	4: FICT 1	0	0	647	162
Beam 799	Beam2	4: FICT 1	0	0	648	164
Beam 800	Beam2	6: FICT 2	0	0	651	642
Beam 801	Beam2	6: FICT 2	0	0	650	643
Beam 802	Beam2	6: FICT 2	0	0	649	640
Beam 803	Beam2	6: FICT 2	0	0	657	656
Beam 804	Beam2	6: FICT 2	0	0	11	653
Beam 805	Beam2	6: FICT 2	0	0	658	656
Beam 806	Beam2	6: FICT 2	0	0	659	653
Beam 807	Beam2	4: FICT 1	0	0	660	127
Beam 808	Beam2	4: FICT 1	0	0	661	129
Beam 809	Beam2	4: FICT 1	0	0	662	131
Beam 810	Beam2	4: FICT 1	0	0	658	133
Beam 811	Beam2	4: FICT 1	0	0	659	29
Beam 812	Beam2	6: FICT 2	0	0	662	654
Beam 813	Beam2	6: FICT 2	0	0	661	655
Beam 814	Beam2	6: FICT 2	0	0	660	652

Beam 815	Beam2	6: FICT 2	0	0	668	667
Beam 816	Beam2	6: FICT 2	0	0	57	664
Beam 817	Beam2	6: FICT 2	0	0	669	667
Beam 818	Beam2	6: FICT 2	0	0	670	664
Beam 819	Beam2	4: FICT 1	0	0	671	254
Beam 820	Beam2	4: FICT 1	0	0	672	257
Beam 821	Beam2	4: FICT 1	0	0	673	260
Beam 822	Beam2	4: FICT 1	0	0	669	263
Beam 823	Beam2	4: FICT 1	0	0	670	64
Beam 824	Beam2	6: FICT 2	0	0	673	665
Beam 825	Beam2	6: FICT 2	0	0	672	666
Beam 826	Beam2	6: FICT 2	0	0	671	663
Beam 827	Beam2	6: FICT 2	0	0	674	666
Beam 828	Beam2	6: FICT 2	0	0	675	643
Beam 829	Beam2	6: FICT 2	0	0	676	631
Beam 830	Beam2	6: FICT 2	0	0	677	655
Beam 831	Beam2	4: FICT 1	0	0	479	134
Beam 832	Beam2	4: FICT 1	0	0	124	475
Beam 833	Beam2	4: FICT 1	0	0	126	484
Beam 834	Beam2	4: FICT 1	0	0	488	264
Beam 835	Beam2	4: FICT 1	0	0	480	135
Beam 836	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	698	98
Beam 837	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	699	102
Beam 838	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	700	100
Beam 839	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	701	115
Beam 840	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	702	111
Beam 841	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	703	113
Beam 842	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	54	50
Beam 843	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	46	58
Beam 844	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	52	48
Beam 845	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	44	56
Beam 846	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	704	109
Beam 847	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	705	107
Beam 848	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	706	99
Beam 849	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	707	103
Beam 850	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	708	101
Beam 851	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	709	116
Beam 852	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	710	112
Beam 853	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	711	114
Beam 854	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	20	18
Beam 855	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	22	25
Beam 856	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	21	19
Beam 857	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	23	26
Beam 858	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	712	110
Beam 859	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	713	108
Beam 860	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	104	741
Beam 861	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	105	715
Beam 862	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	24	716
Beam 863	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	98	742
Beam 864	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	102	743

Beam 865	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	100	744
Beam 866	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	736	720
Beam 867	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	111	721
Beam 868	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	113	722
Beam 869	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	99	745
Beam 870	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	103	746
Beam 871	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	101	725
Beam 872	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	738	726
Beam 873	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	112	727
Beam 874	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	114	728
Beam 875	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	18	729
Beam 876	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	25	730
Beam 877	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	19	731
Beam 878	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	740	732
Beam 879	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	110	733
Beam 880	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	108	734
Beam 881	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	104	698
Beam 882	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	98	699
Beam 883	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	102	700
Beam 884	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	100	701
Beam 885	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	115	702
Beam 886	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	111	703
Beam 887	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	60	54
Beam 888	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	50	46
Beam 889	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	58	52
Beam 890	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	48	44
Beam 891	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	56	704
Beam 892	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	109	705
Beam 893	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	105	706
Beam 894	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	99	707
Beam 895	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	103	708
Beam 896	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	101	709
Beam 897	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	116	710
Beam 898	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	112	711
Beam 899	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	24	20
Beam 900	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	18	22
Beam 901	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	25	21
Beam 902	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	19	23
Beam 903	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	26	712
Beam 904	Beam2	24: TRAVI - TECNOMETAL PRIN	0	-90	110	713
Beam 905	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	714	60
Beam 906	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	715	747
Beam 907	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	716	105
Beam 908	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	717	50
Beam 909	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	718	58
Beam 910	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	719	48
Beam 911	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	735	56
Beam 912	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	721	109
Beam 913	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	722	107
Beam 914	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	723	748

Beam 915	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	724	749
Beam 916	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	725	750
Beam 917	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	737	115
Beam 918	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	727	111
Beam 919	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	728	113
Beam 920	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	729	751
Beam 921	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	730	752
Beam 922	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	731	101
Beam 923	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	739	116
Beam 924	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	733	112
Beam 925	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	734	114
Beam 926	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	115	736
Beam 927	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	116	738
Beam 928	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	26	740
Beam 929	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	720	735
Beam 930	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	726	737
Beam 931	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	732	739
Beam 934	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	741	714
Beam 935	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	742	717
Beam 936	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	743	718
Beam 937	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	744	719
Beam 938	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	745	723
Beam 939	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	746	724
Beam 940	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	747	104
Beam 941	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	748	98
Beam 942	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	749	102
Beam 943	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	750	100
Beam 944	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	751	99
Beam 945	Beam2	25: TRAVI - TECNOMETAL SEC	0	-90	752	103
Beam 946	Beam2	21: FICT 3	0	0	425	678
Beam 947	Beam2	21: FICT 3	0	0	426	679
Beam 948	Beam2	21: FICT 3	0	0	427	682
Beam 949	Beam2	21: FICT 3	0	0	428	683
Beam 950	Beam2	21: FICT 3	0	0	429	684
Beam 951	Beam2	21: FICT 3	0	0	405	688
Beam 952	Beam2	21: FICT 3	0	0	406	689
Beam 953	Beam2	21: FICT 3	0	0	407	692
Beam 954	Beam2	21: FICT 3	0	0	408	694
Beam 955	Beam2	21: FICT 3	0	0	409	696
Beam 956	Beam2	21: FICT 3	0	0	410	690
Beam 957	Beam2	21: FICT 3	0	0	411	691
Beam 958	Beam2	21: FICT 3	0	0	412	693
Beam 959	Beam2	21: FICT 3	0	0	413	695
Beam 960	Beam2	21: FICT 3	0	0	414	697
Beam 961	Beam2	21: FICT 3	0	0	415	680
Beam 962	Beam2	21: FICT 3	0	0	416	681
Beam 963	Beam2	21: FICT 3	0	0	417	685
Beam 964	Beam2	21: FICT 3	0	0	418	686
Beam 965	Beam2	21: FICT 3	0	0	419	687
Beam 966	Beam2	1: COLONNE - TECNOMETAL	0	0	109	674

Beam 967	Beam2	1: COLONNE - TECNOMETAL	0	0	56	57
Beam 968	Beam2	1: COLONNE - TECNOMETAL	0	0	107	668
Beam 969	Beam2	1: COLONNE - TECNOMETAL	0	0	115	646
Beam 970	Beam2	1: COLONNE - TECNOMETAL	0	0	113	645
Beam 971	Beam2	1: COLONNE - TECNOMETAL	0	0	111	675
Beam 972	Beam2	1: COLONNE - TECNOMETAL	0	0	116	634
Beam 973	Beam2	1: COLONNE - TECNOMETAL	0	0	114	633
Beam 974	Beam2	1: COLONNE - TECNOMETAL	0	0	112	676
Beam 975	Beam2	1: COLONNE - TECNOMETAL	0	0	26	11
Beam 976	Beam2	1: COLONNE - TECNOMETAL	0	0	108	657
Beam 977	Beam2	1: COLONNE - TECNOMETAL	0	0	110	677
Beam 978	Beam2	1: COLONNE - TECNOMETAL	0	0	86	109
Beam 979	Beam2	3: PRINCIPALI - ACCIAIO	0	90	664	665
Beam 980	Beam2	3: PRINCIPALI - ACCIAIO	0	90	665	666
Beam 981	Beam2	3: PRINCIPALI - ACCIAIO	0	90	666	663
Beam 982	Beam2	3: PRINCIPALI - ACCIAIO	0	90	663	667
Beam 983	Beam2	3: PRINCIPALI - ACCIAIO	0	90	640	644
Beam 984	Beam2	3: PRINCIPALI - ACCIAIO	0	90	643	640
Beam 985	Beam2	3: PRINCIPALI - ACCIAIO	0	90	642	643
Beam 986	Beam2	3: PRINCIPALI - ACCIAIO	0	90	641	642
Beam 987	Beam2	3: PRINCIPALI - ACCIAIO	0	90	629	630
Beam 988	Beam2	3: PRINCIPALI - ACCIAIO	0	90	630	631
Beam 989	Beam2	3: PRINCIPALI - ACCIAIO	0	90	631	628
Beam 990	Beam2	3: PRINCIPALI - ACCIAIO	0	90	628	632
Beam 991	Beam2	3: PRINCIPALI - ACCIAIO	0	90	652	656
Beam 992	Beam2	3: PRINCIPALI - ACCIAIO	0	90	655	652
Beam 993	Beam2	3: PRINCIPALI - ACCIAIO	0	90	654	655
Beam 994	Beam2	3: PRINCIPALI - ACCIAIO	0	90	653	654

3. LOCALE TECNICO COPERTURA

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1 Materiali

1.1 Acciai

1.1.1 Proprietà acciai EC3/DM08/DM18

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy(s<=40 mm)**: resistenza di snervamento fy per spessori <=40 mm. [kN/m²]*
***fy(s>40 mm)**: resistenza di snervamento fy per spessori >40 mm. [kN/m²]*
***fu(s<=40 mm)**: resistenza di rottura per trazione fu per spessori <=40 mm. [kN/m²]*
***fu(s>40 mm)**: resistenza di rottura per trazione fu per spessori >40 mm. [kN/m²]*

Descrizione	Tipo	fy(s<=40 mm)	fy(s>40 mm)	fu(s<=40 mm)	fu(s>40 mm)
S355	S355	355000	335000	510000	470000

2 Sezioni

2.1 Sezioni in acciaio

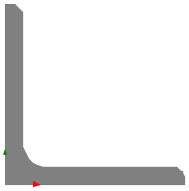
2.1.1 Profili singoli in acciaio

2.1.1.1 HEA - HEM - HEB - IPE

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Fonte**: origine dei dati dell'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***b**: larghezza dell'ala. [mm]*
***h**: altezza del profilo. [mm]*
***s**: spessore dell'anima. [mm]*
***t**: spessore delle ali. [mm]*
***r**: raggio del raccordo ala-anima. [mm]*
***f**: truschino. [mm]*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	t	r	f	Sup.
IPE270		2295	1715	5.80E7	4199134	119428	135	270	6.6	10.2	15	81	1040.9
IPE240		1960	1427	3.90E7	2836768	92805	120	240	6.2	9.8	15	72	921.7
IPE160_1		1011	763	8700783	683212	28202	82	160	5	7.4	9	42	622.5
HEA180_1		2850	969	2.51E7	9246467	113829	180	171	6	9.5	15	99	1024.1

2.1.1.2 Profili a L



***Descrizione**: descrizione o nome assegnato all'elemento.*
***Fonte**: origine dei dati dell'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*

***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***b**: larghezza dell'ala. [mm]*
***h**: altezza. [mm]*
***s**: spessore. [mm]*
***r**: raggio del raccordo ala-anima. [mm]*
***r1**: raggio dello smusso dell'ala e dell'anima. [mm]*
***f**: truschino ala. [mm]*
***f1**: truschino anima. [mm]*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	r	r1	f	f1	Sup.
L60*6		360	360	227795	227795	8208	60	60	6	8	4	35	35	233.1

2.1.2 Caratteristiche inerziali sezioni in acciaio

2.1.2.1 Caratteristiche inerziali principali sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Xg**: coordinata X del baricentro. [cm]*
***Yg**: coordinata Y del baricentro. [cm]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***Jxy**: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [cm4]*
***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [cm4]*
***Jn**: momento d'inerzia attorno all'asse baricentrico principale N. [cm4]*
***α X su M**: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]*
***Jt**: momento d'inerzia torsionale corretto con il fattore di forma. [cm4]*

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α X su M	Jt
IPE270	6.75	13.5	45.99	5796.25	419.91	0	5796.25	419.91	0	11.94
IPE240	6	12	39.16	3896.61	283.68	0	3896.61	283.68	0	9.28
IPE160_1	4.1	8	20.11	870.08	68.32	0	870.08	68.32	0	2.82
L60*6	1.69	1.69	6.91	22.78	22.78	-13.34	36.12	9.44	45	0.82
HEA180_1	9	8.55	45.3	2512.55	924.65	0	2512.55	924.65	0	11.38

2.1.2.2 Caratteristiche inerziali momenti sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***ix**: raggio di inerzia relativo all'asse x. [cm]*
***iy**: raggio di inerzia relativo all'asse y. [cm]*
***im**: raggio di inerzia relativo all'asse principale m. [cm]*
***in**: raggio di inerzia relativo all'asse principale n. [cm]*
***Sx**: momento statico relativo all'asse x. [cm³]*
***Sy**: momento statico relativo all'asse y. [cm³]*
***Wx**: modulo di resistenza elastico minimo relativo all'asse x. [cm³]*
***Wy**: modulo di resistenza elastico minimo relativo all'asse y. [cm³]*
***Wm**: modulo di resistenza elastico minimo relativo all'asse principale m. [cm³]*
***Wn**: modulo di resistenza elastico minimo relativo all'asse principale n. [cm³]*
***Wplx**: modulo di resistenza plastico relativo all'asse x. [cm³]*
***Wply**: modulo di resistenza plastico relativo all'asse y. [cm³]*

Descrizione	ix	iy	im	in	Sx	Sy	Wx	Wy	Wm	Wn	Wplx	Wply
IPE270	11.23	3.02	11.23	3.02	242.27	48.49	429.35	62.21	429.35	62.21	484.54	96.99
IPE240	9.98	2.69	9.98	2.69	183.56	36.98	324.72	47.28	324.72	47.28	367.12	73.96
IPE160_1	6.58	1.84	6.58	1.84	61.99	13.05	108.76	16.66	108.76	16.66	123.97	26.11
L60*6	1.82	1.82	2.29	1.17	5.43	5.43	5.28	5.28	8.51	3.96	9.65	9.65
HEA180_1	7.45	4.52	7.45	4.52	162.59	78.27	293.87	102.74	293.87	102.74	325.17	156.53

2.1.2.3 Caratteristiche inerziali taglio sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Atx**: area a taglio lungo x. [cm²]*
***Aty**: area a taglio lungo y. [cm²]*

Descrizione	Atx	Aty
IPE270	27.54	17.82
IPE240	23.52	14.88
IPE160_1	12.14	8
L60*6	3.6	3.6
HEA180_1	34.2	10.26

3 Azioni e carichi

3.1 Condizioni elementari di carico

***Descrizione**: nome assegnato alla condizione elementare.*

***Nome breve**: nome breve assegnato alla condizione elementare.*
***Durata**: descrive la durata della condizione (necessario per strutture in legno).*
***ψ0**: coefficiente moltiplicatore ψ0. Il valore è adimensionale.*
***ψ1**: coefficiente moltiplicatore ψ1. Il valore è adimensionale.*
***ψ2**: coefficiente moltiplicatore ψ2. Il valore è adimensionale.*
***Con segno**: descrive se la condizione elementare ha la possibilità di variare di segno.*

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Pesi strutturali	Pesi	Permanente				
Permanenti portati	Port.	Permanente				
Neve	Neve	Media	0.5	0.2	0	
Vento +X	Vento +X	Media	0.6	0.2	0	
Vento +Y	Vento +Y	Media	0.6	0.2	0	
ΔT	ΔT	Media	0.6	0.5	0	No
Sisma X SLV	SLV X					
Sisma Y SLV	SLV Y					
Sisma Z SLV	SLV Z					
Eccentricità Y per sisma X SLV	EySx SLV					
Eccentricità X per sisma Y SLV	ExSy SLV					
Sisma X SLD	SLD X					
Sisma Y SLD	SLD Y					
Sisma Z SLD	SLD Z					
Eccentricità Y per sisma X SLD	EySx SLD					
Eccentricità X per sisma Y SLD	ExSy SLD					
Sisma X SLO	SLO X					
Sisma Y SLO	SLO Y					
Sisma Z SLO	SLO Z					
Eccentricità Y per sisma X SLO	EySx SLO					
Eccentricità X per sisma Y SLO	ExSy SLO					
Rig Ux	Rig Ux					
Rig Uy	Rig Uy					
Rig Rz	Rig Rz					

3.2 Combinazioni di carico

***Nome**: E' il nome esteso che contraddistingue la condizione elementare di carico.*
***Nome breve**: E' il nome compatto della condizione elementare di carico, che viene utilizzato altrove nella relazione.*
***Pesi**: Pesi strutturali*
***Port.**: Permanenti portati*
***Neve**: Neve*
***Vento +X**: Vento +X*
***Vento +Y**: Vento +Y*
***ΔT**: ΔT*
***SLO X**: Sisma X SLO*
***SLO Y**: Sisma Y SLO*
***SLO Z**: Sisma Z SLO*
***EySx SLO**: Eccentricità Y per sisma X SLO*
***ExSy SLO**: Eccentricità X per sisma Y SLO*
***SLD X**: Sisma X SLD*
***SLD Y**: Sisma Y SLD*
***SLD Z**: Sisma Z SLD*
***EySx SLD**: Eccentricità Y per sisma X SLD*
***ExSy SLD**: Eccentricità X per sisma Y SLD*
***SLV X**: Sisma X SLV*
***SLV Y**: Sisma Y SLV*
***SLV Z**: Sisma Z SLV*
***EySx SLV**: Eccentricità Y per sisma X SLV*
***ExSy SLV**: Eccentricità X per sisma Y SLV*
***Rig Ux**: Rig Ux*
***Rig Uy**: Rig Uy*
***Rig Rz**: Rig Rz*
Tutte le combinazioni di carico vengono raggruppate per famiglia di appartenenza. Le celle di una riga contengono i coefficienti moltiplicatori della i-esima combinazione, dove il valore della prima cella è da intendersi come moltiplicatore associato alla prima condizione elementare, la seconda cella si riferisce alla seconda condizione elementare e così via.

Famiglia SLU

Il nome compatto della famiglia è SLU.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT
1	**SLU 1**	1	0.8	0	0	0	0
2	**SLU 2**	1	0.8	0	0	1.5	0
3	**SLU 3**	1	0.8	0	1.5	0	0
4	**SLU 4**	1	0.8	0.75	0	1.5	0
5	**SLU 5**	1	0.8	0.75	1.5	0	0
6	**SLU 6**	1	0.8	1.5	0	0	0
7	**SLU 7**	1	0.8	1.5	0	0.9	0
8	**SLU 8**	1	0.8	1.5	0.9	0	0
9	**SLU 9**	1	1.5	0	0	0	0
10	**SLU 10**	1	1.5	0	0	1.5	0
11	**SLU 11**	1	1.5	0	1.5	0	0
12	**SLU 12**	1	1.5	0.75	0	1.5	0
13	**SLU 13**	1	1.5	0.75	1.5	0	0
14	**SLU 14**	1	1.5	1.5	0	0	0
15	**SLU 15**	1	1.5	1.5	0	0.9	0
16	**SLU 16**	1	1.5	1.5	0.9	0	0

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT
17	SLU 17	1.3	0.8	0	0	0	0
18	SLU 18	1.3	0.8	0	0	1.5	0
19	SLU 19	1.3	0.8	0	1.5	0	0
20	SLU 20	1.3	0.8	0.75	0	1.5	0
21	SLU 21	1.3	0.8	0.75	1.5	0	0
22	SLU 22	1.3	0.8	1.5	0	0	0
23	SLU 23	1.3	0.8	1.5	0	0.9	0
24	SLU 24	1.3	0.8	1.5	0.9	0	0
25	SLU 25	1.3	1.5	0	0	0	0
26	SLU 26	1.3	1.5	0	0	1.5	0
27	SLU 27	1.3	1.5	0	1.5	0	0
28	SLU 28	1.3	1.5	0.75	0	1.5	0
29	SLU 29	1.3	1.5	0.75	1.5	0	0
30	SLU 30	1.3	1.5	1.5	0	0	0
31	SLU 31	1.3	1.5	1.5	0	0.9	0
32	SLU 32	1.3	1.5	1.5	0.9	0	0

Famiglia SLE rara

Il nome compatto della famiglia è SLE RA.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT
1	SLE RA 1	1	1	0	0	0	0
2	SLE RA 2	1	1	0	0	1	0
3	SLE RA 3	1	1	0	1	0	0
4	SLE RA 4	1	1	0.5	0	1	0
5	SLE RA 5	1	1	0.5	1	0	0
6	SLE RA 6	1	1	1	0	0	0
7	SLE RA 7	1	1	1	0	0.6	0
8	SLE RA 8	1	1	1	0.6	0	0

Famiglia SLE frequente

Il nome compatto della famiglia è SLE FR.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT
1	SLE FR 1	1	1	0	0	0	0
2	SLE FR 2	1	1	0	0	0.2	0
3	SLE FR 3	1	1	0	0.2	0	0
4	SLE FR 4	1	1	0.2	0	0	0

Famiglia SLE quasi permanente

Il nome compatto della famiglia è SLE QP.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT
1	SLE QP 1	1	1	0	0	0	0

Famiglia SLU eccezionale

Il nome compatto della famiglia è SLU EX.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT

Famiglia SLO

Il nome compatto della famiglia è SLO.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT	SLO X	SLO Y	SLO Z	EySx SLO	ExSy SLO
1	SLO 1	1	1	0	0	0	0	-1	-0.3	0	-1	0.3
2	SLO 2	1	1	0	0	0	0	-1	-0.3	0	1	-0.3
3	SLO 3	1	1	0	0	0	0	-1	0.3	0	-1	0.3
4	SLO 4	1	1	0	0	0	0	-1	0.3	0	1	-0.3
5	SLO 5	1	1	0	0	0	0	-0.3	-1	0	-0.3	1
6	SLO 6	1	1	0	0	0	0	-0.3	-1	0	0.3	-1
7	SLO 7	1	1	0	0	0	0	-0.3	1	0	-0.3	1
8	SLO 8	1	1	0	0	0	0	-0.3	1	0	0.3	-1
9	SLO 9	1	1	0	0	0	0	0.3	-1	0	-0.3	1
10	SLO 10	1	1	0	0	0	0	0.3	-1	0	0.3	-1
11	SLO 11	1	1	0	0	0	0	0.3	1	0	-0.3	1
12	SLO 12	1	1	0	0	0	0	0.3	1	0	0.3	-1
13	SLO 13	1	1	0	0	0	0	1	-0.3	0	-1	0.3
14	SLO 14	1	1	0	0	0	0	1	-0.3	0	1	-0.3
15	SLO 15	1	1	0	0	0	0	1	0.3	0	-1	0.3
16	SLO 16	1	1	0	0	0	0	1	0.3	0	1	-0.3

Famiglia SLD

Il nome compatto della famiglia è SLD.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT	SLD X	SLD Y	SLD Z	EySx SLD	ExSy SLD
1	SLD 1	1	1	0	0	0	0	-1	-0.3	0	-1	0.3
2	SLD 2	1	1	0	0	0	0	-1	-0.3	0	1	-0.3
3	SLD 3	1	1	0	0	0	0	-1	0.3	0	-1	0.3
4	SLD 4	1	1	0	0	0	0	-1	0.3	0	1	-0.3
5	SLD 5	1	1	0	0	0	0	-0.3	-1	0	-0.3	1
6	SLD 6	1	1	0	0	0	0	-0.3	-1	0	0.3	-1
7	SLD 7	1	1	0	0	0	0	-0.3	1	0	-0.3	1
8	SLD 8	1	1	0	0	0	0	-0.3	1	0	0.3	-1
9	SLD 9	1	1	0	0	0	0	0.3	-1	0	-0.3	1
10	SLD 10	1	1	0	0	0	0	0.3	-1	0	0.3	-1
11	SLD 11	1	1	0	0	0	0	0.3	1	0	-0.3	1
12	SLD 12	1	1	0	0	0	0	0.3	1	0	0.3	-1
13	SLD 13	1	1	0	0	0	0	1	-0.3	0	-1	0.3
14	SLD 14	1	1	0	0	0	0	1	-0.3	0	1	-0.3
15	SLD 15	1	1	0	0	0	0	1	0.3	0	-1	0.3
16	SLD 16	1	1	0	0	0	0	1	0.3	0	1	-0.3

Famiglia SLV

Il nome compatto della famiglia è SLV.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT	SLV X	SLV Y	SLV Z	EySx SLV	ExSy SLV
1	SLV 1	1	1	0	0	0	0	-1	-0.3	0	-1	0.3
2	SLV 2	1	1	0	0	0	0	-1	-0.3	0	1	-0.3
3	SLV 3	1	1	0	0	0	0	-1	0.3	0	-1	0.3
4	SLV 4	1	1	0	0	0	0	-1	0.3	0	1	-0.3
5	SLV 5	1	1	0	0	0	0	-0.3	-1	0	-0.3	1
6	SLV 6	1	1	0	0	0	0	-0.3	-1	0	0.3	-1
7	SLV 7	1	1	0	0	0	0	-0.3	1	0	-0.3	1
8	SLV 8	1	1	0	0	0	0	-0.3	1	0	0.3	-1
9	SLV 9	1	1	0	0	0	0	0.3	-1	0	-0.3	1
10	SLV 10	1	1	0	0	0	0	0.3	-1	0	0.3	-1
11	SLV 11	1	1	0	0	0	0	0.3	1	0	-0.3	1
12	SLV 12	1	1	0	0	0	0	0.3	1	0	0.3	-1
13	SLV 13	1	1	0	0	0	0	1	-0.3	0	-1	0.3
14	SLV 14	1	1	0	0	0	0	1	-0.3	0	1	-0.3
15	SLV 15	1	1	0	0	0	0	1	0.3	0	-1	0.3
16	SLV 16	1	1	0	0	0	0	1	0.3	0	1	-0.3

Famiglia Calcolo rigidezza torsionale/flessionale di piano

Il nome compatto della famiglia è CRTFP.

Nome	Nome breve	Rig Ux	Rig Uy	Rig Rz
Rig. Ux+	CRTFP Ux+	1	0	0
Rig. Ux-	CRTFP Ux-	-1	0	0
Rig. Uy+	CRTFP Uy+	0	1	0
Rig. Uy-	CRTFP Uy-	0	-1	0
Rig. Rz+	CRTFP Rz+	0	0	1
Rig. Rz-	CRTFP Rz-	0	0	-1

Famiglia P-Delta

Il nome compatto della famiglia è PTH.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT
Unica per metodo P-Delta	Pd	1	1	1	0	0	0

3.3 Definizioni di carichi lineari

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Fx i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione X. [kN/m]*
***Fx f.**: valore finale della forza, per unità di lunghezza, agente in direzione X. [kN/m]*
***Fy i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Y. [kN/m]*
***Fy f.**: valore finale della forza, per unità di lunghezza, agente in direzione Y. [kN/m]*
***Fz i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Z. [kN/m]*
***Fz f.**: valore finale della forza, per unità di lunghezza, agente in direzione Z. [kN/m]*
***Mx i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse X. [kN]*
***Mx f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse X. [kN]*
***My i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Y. [kN]*
***My f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Y. [kN]*
***Mz i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Z. [kN]*
***Mz f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Z. [kN]*

Nome	Valori												
	Condizione	Fx i.	Fx f.	Fy i.	Fy f.	Fz i.	Fz f.	Mx i.	Mx f.	My i.	My f.	Mz i.	Mz f.
	Descrizione												
Vento +X	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Neve	0	0	0	0	0	0	0	0	0	0	0	0
	Vento +X	1.8	1.8	0	0	0	0	0	0	0	0	0	0
	Vento +Y	0	0	0	0	0	0	0	0	0	0	0	0
Vento +Y	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Neve	0	0	0	0	0	0	0	0	0	0	0	0
	Vento +X	0	0	0	0	0	0	0	0	0	0	0	0
	Vento +Y	0	0	1.8	1.8	0	0	0	0	0	0	0	0

3.4 Definizioni di carichi superficiali

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Valore**: valore del carico per unità di superficie, nel caso il tipo sia "Verticale", "Verticale in proiezione", "Normale alla superficie". [kN/m²]*
***Cp vento**: valore del coefficiente di pressione Cp, nel caso il tipo sia "Cp vento". Il valore è adimensionale.*
***Tipo**: tipo di carico.*

Nome	Valori

	Condizione	Valore	Cp vento	Tipo
	Descrizione			
1	Pesi strutturali	0.2		Verticale
	Permanenti portati	0.3		Verticale
	Neve	0.55		Verticale
	Vento +X	0.3		Verticale
	Vento +Y	0		Verticale

4 Quote

4.1 Livelli

***Descrizione breve**: nome sintetico assegnato al livello.*
***Descrizione**: nome assegnato al livello.*
***Quota**: quota superiore espressa nel sistema di riferimento assoluto. [m]*
***Spessore**: spessore del livello. [m]*

Descrizione breve	Descrizione	Quota	Spessore
L1	Fondazione	0	0
L2	Copertura	3.45	0

4.2 Tronchi

***Descrizione breve**: nome sintetico assegnato al tronco.*
***Descrizione**: nome assegnato al tronco.*
***Quota 1**: riferimento della prima quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Quota 2**: riferimento della seconda quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*

Descrizione breve	Descrizione	Quota 1	Quota 2
T1	Fondazione - Copertura	Fondazione	Copertura

5 Elementi di input

5.1 Travi in acciaio

5.1.1 Travi in acciaio di piano

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [kN/m]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
			X	Y	X	Y										
IPE240	C	L2	0	0	9.45	0	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE270	C	L2	0	6.6	0	9.9	0	S355	Vento +X; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
IPE160_1	C	L2	5.658	6.6	5.658	9.9	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	

			X	Y	X	Y										
IPE270	C	L2	9.45	6.6	9.45	9.9	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
IPE160_1	C	L2	3.806	6.6	3.806	9.9	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	7.554	6.6	7.554	9.9	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE270	C	L2	0	3.3	0	6.6	0	S355	Vento +X; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
IPE160_1	C	L2	1.954	6.6	1.954	9.9	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	1.954	3.3	1.954	6.6	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE270	C	L2	9.45	3.3	9.45	6.6	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
IPE160_1	C	L2	3.806	3.3	3.806	6.6	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	7.554	3.3	7.554	6.6	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE270	C	L2	0	9.9	0	12.2	0	S355	Vento +X; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
IPE270	C	L2	0	14.899	0	17.699	0	S355	Vento +X; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
IPE160_1	C	L2	1.954	14.899	1.954	17.699	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	5.658	3.3	5.658	6.6	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE270	C	L2	0	12.192	0	14.899	0	S355	Vento +X; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
IPE160_1	C	L2	7.554	9.9	7.554	12.2	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	5.658	9.9	5.658	12.2	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE240	C	L2	9.45	3.3	0	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L2	0	6.6	9.45	6.6	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L2	0	9.9	9.45	9.9	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE270	C	L2	0	0	0	3.3	0	S355	Vento +X; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
IPE160_1	C	L2	1.954	0	1.954	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	5.658	0	5.658	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE270	C	L2	9.45	9.9	9.45	12.2	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
IPE270	C	L2	9.45	0	9.45	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
IPE160_1	C	L2	3.806	0	3.806	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	7.554	0	7.554	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE240	C	L2	0	12.2	1.954	12.2	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	

			X	Y	X	Y										
IPE240	C	L2	0	14.899	1.954	14.899	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L2	0	17.699	1.954	17.699	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE160_1	C	L2	1.954	9.9	1.954	12.2	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE240	C	L2	9.45	12.2	5.658	12.2	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE160_1	C	L2	1.954	12.192	1.954	14.899	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	

5.2 Travi tiranti in acciaio

5.2.1 Travi tiranti in acciaio di piano

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [kN/m]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
			X	Y	X	Y										
L60*6	C	L2	0	17.699	1.954	14.899	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	7.554	3.3	9.45	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	7.554	0	9.45	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	7.554	6.6	9.45	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	7.554	3.3	9.45	6.6	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	5.658	0	7.554	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	3.806	3.3	5.658	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	1.954	0	3.806	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	7.554	9.9	9.45	6.6	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	9.45	12.2	7.554	9.9	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	9.45	9.9	7.554	12.2	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	7.554	6.6	9.45	9.9	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	

			X	Y	X	Y										
L60*6	C	L2	5.658	3.3	7.554	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	3.806	0	5.658	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	1.954	3.3	3.806	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	0	14.899	1.954	17.699	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	0	9.9	1.954	12.2	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	1.954	6.6	0	9.9	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	0	3.3	1.954	6.6	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	1.954	0	0	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	1.954	3.3	0	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	0	6.6	1.954	3.3	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	1.954	9.9	0	6.6	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	0	12.2	1.954	9.9	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	0	14.899	1.954	12.192	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	
L60*6	C	L2	0	12.192	1.954	14.899	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.05	

5.3 Colonne in acciaio

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sezione**: sezione in acciaio.*
***Ang.**: angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***P.i.**: posizione del punto di inserimento rispetto alla geometria della sezione. SS=Sinistra-sotto, SC=Sinistra-centro, SA=Sinistra-alto, CS=Centro-sotto, CC=Centro-centro, CA=Centro-alto, DS=Destra-sotto, DC=Destra-centro, DA=Destra-alto*
***Punto**: posizione del punto di inserimento rispetto alla geometria della sezione.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Tr.	Sezione	Ang.	P.i.	Punto		Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	Cal.
				X	Y								
T1	HEA180_1	90	CC	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	9.45	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	9.45	3.3	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	9.45	6.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	0	6.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	0	3.3	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	

				X	Y								
T1	HEA180_1	90	CC	0	9.9	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	9.45	9.9	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	0	12.2	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	0	14.899	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	0	17.699	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	9.45	12.2	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	1.954	17.699	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	1.954	14.899	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	1.954	12.2	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	90	CC	5.658	12.2	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	No	

5.4 Carichi superficiali

5.4.1 Carichi superficiali di piano

***Carico**: riferimento alla definizione di un carico di superficie.*
***Solaio**: caratteristiche dell'eventuale solaio.*
***Liv.**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punti**: punti di definizione in pianta.*
***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Angolo**: direzione delle nervature che trasmettono il carico.Angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Comp.**: descrizione sintetica del comportamento del carico superficiale o, nel caso di comportamento membranale, riferimento alla decrizione analitica della membrana.*
***Fori**: riferimenti a tutti gli elementi che forano il carico superficiale.*

Carico	Solaio	Liv.	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
1		L2	1	9.45	12.2	0	180	Nessuno	
			2	5.658	12.2				
			3	5.658	9.9				
			4	1.954	9.9				
			5	1.954	17.699				
			6	0	17.699				
			7	0	0				
			8	9.45	0				

6 Nodi

6.1 Nodi di definizione

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Posizione**: coordinate del nodo.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Z**: coordinata Z. [cm]*

Indice	Posizione		
	X	Y	Z
2	0	0	0
3	945	0	0
4	0	330	0
5	945	330	0
6	0	660	0
7	945	660	0
8	0	990	0
9	945	990	0
10	0	1220	0
11	195.4	1220	0
12	565.8	1220	0
13	945	1220	0
14	0	1489.9	0

	X	Y	Z
15	195.4	1489.9	0
16	0	1769.9	0
17	195.4	1769.9	0
18	0	0	345
19	195.4	0	345
20	380.6	0	345
21	565.8	0	345
22	755.4	0	345
23	945	0	345
24	0	330	345
25	195.4	330	345
26	380.6	330	345
27	565.8	330	345
28	755.4	330	345
29	945	330	345
30	0	660	345
31	195.4	660	345
32	380.6	660	345
33	565.8	660	345
34	755.4	660	345
35	945	660	345
36	0	990	345
37	195.4	990	345
38	380.6	990	345
39	565.8	990	345
40	755.4	990	345
41	945	990	345
42	0	1220	345
43	195.4	1220	345
44	565.8	1220	345
45	755.4	1220	345
46	945	1220	345
47	0	1489.9	345
48	195.4	1489.9	345
49	0	1769.9	345
50	195.4	1769.9	345

7 Aste

7.1 Carichi su aste

7.1.1 Carichi trapezoidali locali

***Indice asta**: indice dell'asta a cui si riferisce il carico trapezoidale.*
***Condizione**: condizione elementare di carico a cui si riferisce il carico.*
***Posizione iniziale**: posizione iniziale del carico sull'asse locale 1. [m]*
***F1 iniziale**: componente del valore iniziale del carico lungo l'asse locale 1. [kN/m]*
***F2 iniziale**: componente del valore iniziale del carico lungo l'asse locale 2. [kN/m]*
***F3 iniziale**: componente del valore iniziale del carico lungo l'asse locale 3. [kN/m]*
***Posizione finale**: posizione finale del carico sull'asse locale 1. [m]*
***F1 finale**: componente del valore finale del carico lungo l'asse locale 1. [kN/m]*
***F2 finale**: componente del valore finale del carico lungo l'asse locale 2. [kN/m]*
***F3 finale**: componente del valore finale del carico lungo l'asse locale 3. [kN/m]*

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
9	Vento +Y	0	0	0	-1.75	1.954	0	0	-1.75
10	Vento +Y	0	0	0	-1.75	1.852	0	0	-1.75
11	Vento +Y	0	0	0	-1.75	1.852	0	0	-1.75
12	Vento +Y	0	0	0	-1.75	1.896	0	0	-1.75
13	Vento +Y	0	0	0	-1.75	1.896	0	0	-1.75
29	Pesi strutturali	0	0	-0.195	0	3.3	0	-0.195	0
29	Permanenti portati	0	0	-0.293	0	3.3	0	-0.293	0
29	Neve	0	0	-0.537	0	3.3	0	-0.537	0
29	Vento +X	0	0	-0.293	0	3.3	0	-0.293	0
29	Vento +X	0	0	0	1.75	3.3	0	0	1.75
34	Pesi strutturali	0	0	-0.381	0	3.3	0	-0.381	0
34	Permanenti portati	0	0	-0.571	0	3.3	0	-0.571	0
34	Neve	0	0	-1.047	0	3.3	0	-1.047	0
34	Vento +X	0	0	-0.571	0	3.3	0	-0.571	0
35	Pesi strutturali	0	0	-0.375	0	3.3	0	-0.375	0
35	Permanenti portati	0	0	-0.562	0	3.3	0	-0.562	0
35	Neve	0	0	-1.031	0	3.3	0	-1.031	0
35	Vento +X	0	0	-0.562	0	3.3	0	-0.562	0
36	Pesi strutturali	0	0	-0.19	0	3.3	0	-0.19	0
36	Permanenti portati	0	0	-0.284	0	3.3	0	-0.284	0
36	Neve	0	0	-0.521	0	3.3	0	-0.521	0
36	Vento +X	0	0	-0.284	0	3.3	0	-0.284	0
39	Pesi strutturali	0	0	-0.37	0	3.3	0	-0.37	0
39	Permanenti portati	0	0	-0.556	0	3.3	0	-0.556	0
39	Neve	0	0	-1.019	0	3.3	0	-1.019	0
39	Vento +X	0	0	-0.556	0	3.3	0	-0.556	0
40	Pesi strutturali	0	0	-0.379	0	3.3	0	-0.379	0
40	Permanenti portati	0	0	-0.569	0	3.3	0	-0.569	0
40	Neve	0	0	-1.043	0	3.3	0	-1.043	0
40	Vento +X	0	0	-0.569	0	3.3	0	-0.569	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
44	Pesi strutturali	0	0	-0.195	0	2.3	0	-0.195	0
44	Permanenti portati	0	0	-0.293	0	2.3	0	-0.293	0
44	Neve	0	0	-0.537	0	2.3	0	-0.537	0
44	Vento +X	0	0	-0.293	0	2.3	0	-0.293	0
45	Pesi strutturali	0	0	-0.19	0	2.3	0	-0.19	0
45	Permanenti portati	0	0	-0.284	0	2.3	0	-0.284	0
45	Neve	0	0	-0.521	0	2.3	0	-0.521	0
45	Vento +X	0	0	-0.284	0	2.3	0	-0.284	0
46	Pesi strutturali	0	0	-0.19	0	2.3	0	-0.19	0
46	Permanenti portati	0	0	-0.284	0	2.3	0	-0.284	0
46	Neve	0	0	-0.521	0	2.3	0	-0.521	0
46	Vento +X	0	0	-0.284	0	2.3	0	-0.284	0
47	Pesi strutturali	0	0	-0.379	0	2.3	0	-0.379	0
47	Permanenti portati	0	0	-0.569	0	2.3	0	-0.569	0
47	Neve	0	0	-1.043	0	2.3	0	-1.043	0
47	Vento +X	0	0	-0.569	0	2.3	0	-0.569	0
48	Pesi strutturali	0	0	-0.381	0	3.3	0	-0.381	0
48	Permanenti portati	0	0	-0.571	0	3.3	0	-0.571	0
48	Neve	0	0	-1.047	0	3.3	0	-1.047	0
48	Vento +X	0	0	-0.571	0	3.3	0	-0.571	0
49	Pesi strutturali	0	0	-0.195	0	3.3	0	-0.195	0
49	Permanenti portati	0	0	-0.293	0	3.3	0	-0.293	0
49	Neve	0	0	-0.537	0	3.3	0	-0.537	0
49	Vento +X	0	0	-0.293	0	3.3	0	-0.293	0
49	Vento +X	0	0	0	1.75	3.3	0	0	1.75
50	Pesi strutturali	0	0	-0.375	0	3.3	0	-0.375	0
50	Permanenti portati	0	0	-0.562	0	3.3	0	-0.562	0
50	Neve	0	0	-1.031	0	3.3	0	-1.031	0
50	Vento +X	0	0	-0.562	0	3.3	0	-0.562	0
51	Pesi strutturali	0	0	-0.19	0	3.3	0	-0.19	0
51	Permanenti portati	0	0	-0.284	0	3.3	0	-0.284	0
51	Neve	0	0	-0.521	0	3.3	0	-0.521	0
51	Vento +X	0	0	-0.284	0	3.3	0	-0.284	0
52	Pesi strutturali	0	0	-0.37	0	3.3	0	-0.37	0
52	Permanenti portati	0	0	-0.556	0	3.3	0	-0.556	0
52	Neve	0	0	-1.019	0	3.3	0	-1.019	0
52	Vento +X	0	0	-0.556	0	3.3	0	-0.556	0
53	Pesi strutturali	0	0	-0.379	0	3.3	0	-0.379	0
53	Permanenti portati	0	0	-0.569	0	3.3	0	-0.569	0
53	Neve	0	0	-1.043	0	3.3	0	-1.043	0
53	Vento +X	0	0	-0.569	0	3.3	0	-0.569	0
54	Pesi strutturali	0	0	-0.195	0	3.3	0	-0.195	0
54	Permanenti portati	0	0	-0.293	0	3.3	0	-0.293	0
54	Neve	0	0	-0.537	0	3.3	0	-0.537	0
54	Vento +X	0	0	-0.293	0	3.3	0	-0.293	0
54	Vento +X	0	0	0	1.75	3.3	0	0	1.75
55	Pesi strutturali	0	0	-0.381	0	3.3	0	-0.381	0
55	Permanenti portati	0	0	-0.571	0	3.3	0	-0.571	0
55	Neve	0	0	-1.047	0	3.3	0	-1.047	0
55	Vento +X	0	0	-0.571	0	3.3	0	-0.571	0
56	Pesi strutturali	0	0	-0.375	0	3.3	0	-0.375	0
56	Permanenti portati	0	0	-0.562	0	3.3	0	-0.562	0
56	Neve	0	0	-1.031	0	3.3	0	-1.031	0
56	Vento +X	0	0	-0.562	0	3.3	0	-0.562	0
57	Pesi strutturali	0	0	-0.19	0	3.3	0	-0.19	0
57	Permanenti portati	0	0	-0.284	0	3.3	0	-0.284	0
57	Neve	0	0	-0.521	0	3.3	0	-0.521	0
57	Vento +X	0	0	-0.284	0	3.3	0	-0.284	0
58	Pesi strutturali	0	0	-0.37	0	3.3	0	-0.37	0
58	Permanenti portati	0	0	-0.556	0	3.3	0	-0.556	0
58	Neve	0	0	-1.019	0	3.3	0	-1.019	0
58	Vento +X	0	0	-0.556	0	3.3	0	-0.556	0
59	Pesi strutturali	0	0	-0.379	0	3.3	0	-0.379	0
59	Permanenti portati	0	0	-0.569	0	3.3	0	-0.569	0
59	Neve	0	0	-1.043	0	3.3	0	-1.043	0
59	Vento +X	0	0	-0.569	0	3.3	0	-0.569	0
60	Pesi strutturali	0	0	-0.195	0	2.3	0	-0.195	0
60	Permanenti portati	0	0	-0.293	0	2.3	0	-0.293	0
60	Neve	0	0	-0.537	0	2.3	0	-0.537	0
60	Vento +X	0	0	-0.293	0	2.3	0	-0.293	0
60	Vento +X	0	0	0	1.75	2.3	0	0	1.75
61	Pesi strutturali	0	0	-0.195	0	2.8	0	-0.195	0
61	Permanenti portati	0	0	-0.293	0	2.8	0	-0.293	0
61	Neve	0	0	-0.537	0	2.8	0	-0.537	0
61	Vento +X	0	0	-0.293	0	2.8	0	-0.293	0
61	Vento +X	0	0	0	1.75	2.8	0	0	1.75
62	Pesi strutturali	0	0	-0.195	0	2.8	0	-0.195	0
62	Permanenti portati	0	0	-0.293	0	2.8	0	-0.293	0
62	Neve	0	0	-0.537	0	2.8	0	-0.537	0
62	Vento +X	0	0	-0.293	0	2.8	0	-0.293	0
63	Pesi strutturali	0	0	-0.195	0	2.699	0	-0.195	0
63	Permanenti portati	0	0	-0.293	0	2.699	0	-0.293	0
63	Neve	0	0	-0.537	0	2.699	0	-0.537	0
63	Vento +X	0	0	-0.293	0	2.699	0	-0.293	0
63	Vento +X	0	0	0	1.75	2.699	0	0	1.75
64	Pesi strutturali	0	0	-0.195	0	2.699	0	-0.195	0
64	Permanenti portati	0	0	-0.293	0	2.699	0	-0.293	0
64	Neve	0	0	-0.537	0	2.699	0	-0.537	0
64	Vento +X	0	0	-0.293	0	2.699	0	-0.293	0

7.2 Caratteristiche meccaniche aste

I seguenti dati si riferiscono alle caratteristiche meccaniche delle aste utilizzate dal solutore ad elementi finiti. Normalmente differiscono dalle caratteristiche inerziali delle sezioni definite nel database. Tengono conto dei moltiplicatori inerziali espressi nelle preferenze FEM e di indicazioni tratte

dalla bibliografia (SAP 90 Volume I Figura X-8; Belluzzi Vol. 1).
***I.**: numero dell'elemento nell'insieme che lo contiene.*
***Area**: area della sezione trasversale. [m²]*
***Area 2**: area di taglio per sforzo di taglio nella direzione 2. [m²]*
***Area 3**: area di taglio per sforzo di taglio nella direzione 3. [m²]*
***In.2**: momento d'inerzia attorno all'asse locale 2. [m4]*
***In.3**: momento d'inerzia attorno all'asse locale 3. [m4]*
***In.tors.**: momento d'inerzia torsionale corretto con il fattore di torsione. [m4]*
***E**: modulo di elasticità longitudinale. [kN/m²]*
***G**: modulo di elasticità tangenziale. [kN/m²]*
***α**: coefficiente di dilatazione termica longitudinale. [°C-1]*
***P.unit.**: peso per unità di lunghezza dell'elemento. [kN/m]*
***S.fibre**: caratteristiche della sezione a fibre.*
***Sez.corr.**: sezione degli elementi correlati.*
***Desc.**: descrizione o nome assegnato all'elemento.*
***Mat.corr.**: materiale degli elementi correlati.*
***Desc.**: descrizione o nome assegnato all'elemento.*

I.	Area	Area 2	Area 3	In.2	In.3	In.tors.	E	G	α	P.unit.	S.fibre	Sez.corr.	Mat.corr.
												Desc.	Desc.
1	0.0045	0.001	0.0028	9.25E-06	2.51E-05	1.14E-07	2.10E08	80769231	0.000012	0.356		HEA180_1	S355
2	0.0039	0.0014	0.002	2.84E-06	3.90E-05	9.28E-08	2.10E08	80769231	0.000012	0.307		IPE240	S355
3	0.0046	0.0017	0.0023	4.20E-06	5.80E-05	1.19E-07	2.10E08	80769231	0.000012	0.361		IPE270	S355
4	0.002	0.0008	0.001	6.83E-07	8.70E-06	2.82E-08	2.10E08	80769231	0.000012	0.158		IPE160_1	S355

7.3 Definizioni aste

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Nodo I**: nodo iniziale.*
***Nodo J**: nodo finale.*
***Nodo K**: nodo che definisce l'asse locale 2.*
***Sezione**: caratteristiche inerziali-meccaniche della sezione.*
***Indice**: numero dell'elemento nell'insieme che lo contiene.*

Indice	Nodo I	Nodo J	Nodo K	Sezione
				Indice
1	2	18	54	1
2	3	23	55	1
3	5	29	57	1
4	7	35	59	1
5	6	30	58	1
6	4	24	56	1
7	8	36	60	1
8	9	41	61	1
9	18	19	53	2
10	19	20	53	2
11	20	21	53	2
12	21	22	53	2
13	22	23	53	2
14	29	28	53	2
15	28	27	53	2
16	27	26	53	2
17	26	25	53	2
18	25	24	53	2
19	30	31	53	2
20	31	32	53	2
21	32	33	53	2
22	33	34	53	2
23	34	35	53	2
24	36	37	53	2
25	37	38	53	2
26	38	39	53	2
27	39	40	53	2
28	40	41	53	2
29	18	24	53	3
30	10	42	62	1
31	14	47	66	1
32	16	49	68	1
33	13	46	65	1
34	19	25	53	4
35	21	27	53	4
36	23	29	53	3
37	46	45	53	2
38	45	44	53	2
39	20	26	53	4
40	22	28	53	4
41	42	43	53	2
42	47	48	53	2
43	49	50	53	2
44	37	43	53	4
45	39	44	53	4
46	41	46	53	3
47	40	45	53	4
48	31	37	53	4
49	30	36	53	3
50	33	39	53	4
51	35	41	53	3
52	32	38	53	4
53	34	40	53	4
54	24	30	53	3

Indice	Nodo I	Nodo J	Nodo K	Sezione
				Indice
55	25	31	53	4
56	27	33	53	4
57	29	35	53	3
58	26	32	53	4
59	28	34	53	4
60	36	42	53	3
61	47	49	53	3
62	48	50	53	4
63	42	47	53	3
64	43	48	53	4
65	17	50	69	1
66	15	48	67	1
67	11	43	63	1
68	12	44	64	1

8 Bielle

8.1 Caratteristiche meccaniche bielle

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Area**: area della sezione trasversale. [m²]*
***Rigidezza**: caratteristiche rigidezza di una sezione di biella.*
***α**: coefficiente di dilatazione termica longitudinale. [°C-1]*
***Peso unitario**: peso per unità di lunghezza dell'asta. [kN/m]*

Indice	Area	Rigidezza	α	Peso unitario
1	0.0007	2100000; 0; 1000000000000000000	0.000012	0.054

8.2 Definizioni bielle

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Nodo I**: nodo iniziale.*
***Nodo J**: nodo finale.*
***Sezione**: caratteristiche inerziali-meccaniche della sezione.*
***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Tronco rigido iniziale**: ampiezza del tronco rigido iniziale. [m]*
***Tronco rigido finale**: ampiezza del tronco rigido finale. [m]*
***Variazione termica**: variazione termica a cui è soggetto l'elemento. [°C]*

Indice	Nodo I	Nodo J	Sezione	Tronco rigido iniziale	Tronco rigido finale	Variazione termica
			Indice			
1	49	48	1	0.09	0.09	0
2	42	37	1	0.09	0	0
3	37	30	1	0	0.09	0
4	30	25	1	0.09	0	0
5	25	18	1	0	0.09	0
6	19	24	1	0	0.09	0
7	24	31	1	0.09	0	0
8	31	36	1	0	0.09	0
9	36	43	1	0.09	0.09	0
10	47	50	1	0.09	0.09	0
11	25	20	1	0	0	0
12	20	27	1	0	0	0
13	27	22	1	0	0	0
14	34	41	1	0	0.09	0
15	41	45	1	0.09	0	0
16	46	40	1	0.09	0	0
17	40	35	1	0	0.09	0
18	19	26	1	0	0	0
19	26	21	1	0	0	0
20	21	28	1	0	0	0
21	28	35	1	0	0.09	0
22	34	29	1	0	0.09	0
23	22	29	1	0	0.09	0
24	28	23	1	0	0.09	0
25	47	43	1	0.09	0.09	0
26	42	48	1	0.09	0.09	0

9 Reazioni nodali estreme

***Nodo**: Nodo sollecitato dalla reazione vincolare.*
***Ind.**: indice del nodo.*
***Cont.**: Contesto a cui si riferisce la reazione vincolare.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Reazione a traslazione**: reazione vincolare traslazionale del nodo.*

***x**: componente X della reazione vincolare del nodo. [kN]*
***y**: componente Y della reazione vincolare del nodo. [kN]*
***z**: componente Z della reazione vincolare del nodo. [kN]*
***Reazione a rotazione**: reazione vincolare rotazionale del nodo.*
***x**: componente X della reazione a rotazione del nodo. [kN·m]*
***y**: componente Y della reazione a rotazione del nodo. [kN·m]*
***z**: componente Z della reazione a rotazione del nodo. [kN·m]*

Reazioni Fx minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
5	SLU 29	-12.32	-0.33	35.09	0	0	-0.0014
7	SLU 32	-11.84	-0.19	36.37	0	0	-0.001
3	SLV 15	-11.49	-3.51	8.74	0	0	-0.0051
9	SLU 29	-8.77	-0.35	26.33	0	0	-0.002
2	SLV 15	-7.45	-1.32	-1.21	0	0	-0.0054

Reazioni Fx massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
4	SLV 1	11.59	1.35	18.77	0	0	0.0055
2	SLV 1	11.34	1.28	17.14	0	0	0.0053
6	SLV 1	10.07	1.32	18.14	0	0	0.0062
8	SLV 1	7.51	1.34	15.06	0	0	0.007
3	SLV 1	7.32	3.53	7.19	0	0	0.0052

Reazioni Fy minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
9	SLV 11	-4.15	-8.8	-0.22	0	0	-0.0021
5	SLV 11	-6.21	-8.34	21.47	0	0	-0.0021
7	SLV 11	-5.58	-8.3	14.79	0	0	-0.0022
14	SLV 7	1.58	-8.24	3.46	0	0	0.001
3	SLV 11	-5.39	-8.16	-3.53	0	0	-0.0018

Reazioni Fy massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
13	SLV 5	1.7	8.69	-20.42	0	0	0.0018
5	SLV 5	-0.84	8.62	6.04	0	0	0.002
10	SLV 9	-1.91	8.36	-6.98	0	0	-0.001
7	SLV 5	-1.25	8.35	11.39	0	0	0.0022
9	SLV 5	-0.93	8.31	22.07	0	0	0.002

Reazioni Fz minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
13	SLV 5	1.7	8.69	-20.42	0	0	0.0018
10	SLV 13	-6.18	3.49	-18.91	0	0	-0.0063
11	SLV 3	6.16	-0.12	-18.06	0	0	0.0058
16	SLV 9	-1.28	8.08	-17.6	0	0	-0.0008
15	SLV 3	4.16	-0.07	-11.04	0	0	0.0059

Reazioni Fz massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
5	SLU 32	-12.22	-0.2	37.75	0	0	-0.0008
7	SLU 32	-11.84	-0.19	36.37	0	0	-0.001
4	SLU 32	8.52	0.12	34.63	0	0	-0.0011
6	SLU 32	8.55	0.14	33.93	0	0	-0.0008
9	SLU 32	-8.59	-0.22	28.53	0	0	-0.0012

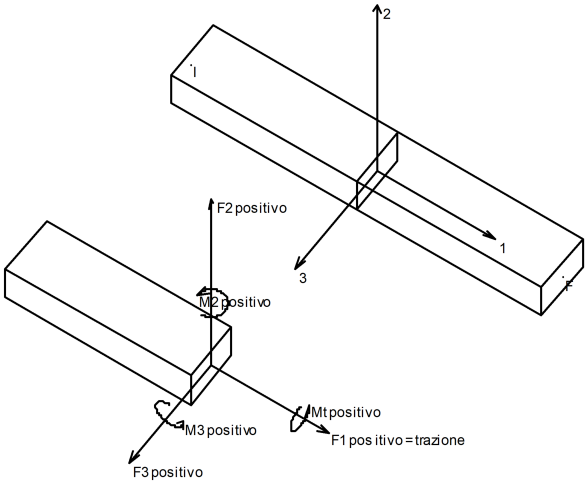
10 Sollecitazioni aste

10.1 Convenzioni di segno aste

Le abbreviazioni relative alle sollecitazioni sugli elementi aste sono da intendersi:

- F1 (N): sforzo normale nell'asta;
- F2: sforzo di taglio agente nella direzione dell'asse locale 2;
- F3: sforzo di taglio agente nella direzione dell'asse locale 3;
- M1 (Mt): momento attorno all'asse locale 1; equivale al momento torcente;
- M2: momento attorno all'asse locale 2;

- M3: momento attorno all'asse locale 3.



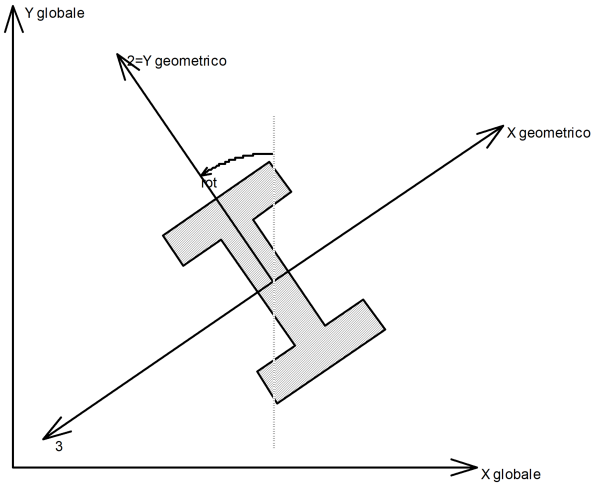
La convenzione sui segni per i parametri di sollecitazione delle aste è la seguente:
presa un'asta con nodo iniziale i e nodo finale f, asse 1 che va da i a f, assi 2 e 3 presi secondo quanto indicato nei paragrafi successivi relativi al sistema locale delle aste sezionando l'asta in un punto e considerando la sezione sinistra del punto in cui si è effettuato il taglio (sezione da cui esce il versore asse 1) i parametri di sollecitazione sono positivi se hanno verso e direzione concordi con il sistema di riferimento locale dell'asta 1, 2, 3 (per i momenti si adotta la regola della mano destra).

Il sistema è definito diversamente per tre categorie di aste, a seconda che siano originate da:

- aste verticali ad esempio pilastri e colonne;
- aste non verticali non di c.a., ad esempio travi di acciaio o legno;
- aste non verticali in c.a.: travi in c.a. di piano, falda o a quota generica.

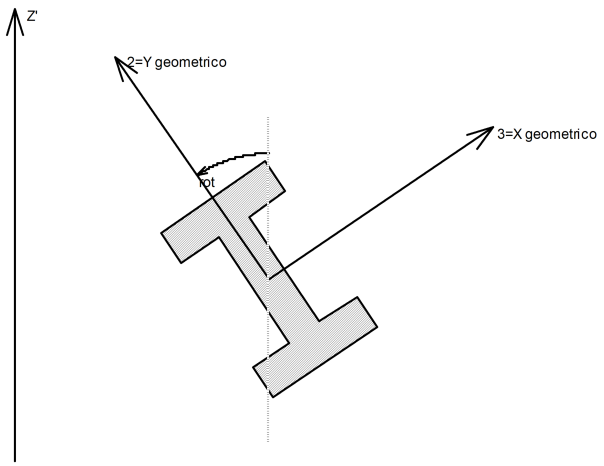
Nel seguito si indica con 1, 2 e 3 il sistema locale dell'asta che non sempre coincide con gli assi principali della sezione. Si ricorda che per assi principali si intendono gli assi rispetto a cui si ha il raggio di inerzia minimo e massimo. Gli assi 1, 2 e 3 rispettano la regola della mano destra.

Sistema locale aste verticali



Nella figura si considera l'asse 1 uscente dal foglio (l'osservatore guarda in direzione opposta a quella dell'asse 1).

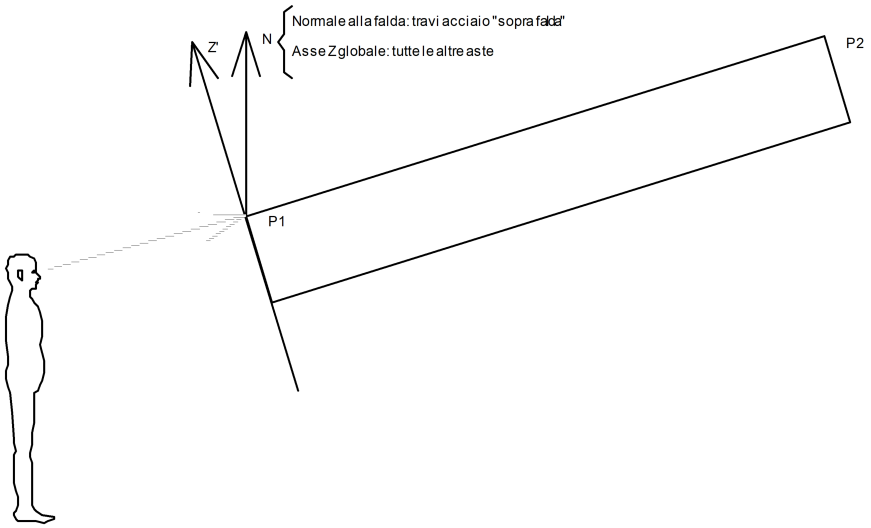
Sistema locale aste non verticali



Nella figura si considera l'asse 1 entrante nel foglio (l'osservatore guarda in direzione coincidente a quella dell'asse 1).

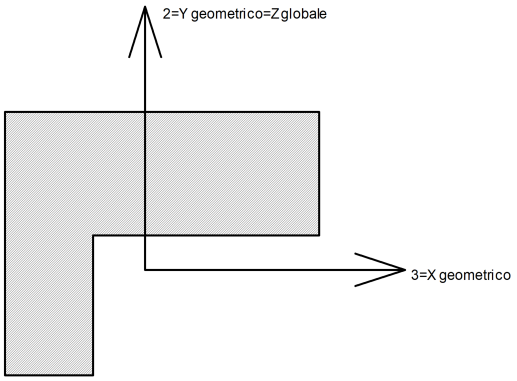
L'asse Z' è illustrato nella figura seguente dove:

- P1 è il punto di inserimento iniziale dell'asta;
- P2 è il punto di inserimento finale dell'asta;
- N è la normale al piano o falda di inserimento;



Z' è quindi l'intersezione tra il piano passante per P1, P2 contenente N e il piano della sezione iniziale dell'asta.

Sistema locale aste derivanti da travi in c.a.



Nella figura si considera l'asse 1 entrante nel foglio (l'osservatore guarda in direzione coincidente a quella dell'asse 1). L'asse 2 è sempre verticale e quindi coincidente con l'asse Z globale nonché con l'asse y geometrico. L'asse 3 coincide con l'asse x geometrico. . Si sottolinea il fatto che gli assi 2 e 3 non corrispondono agli assi principali della sezione.

10.2 Sollecitazioni estreme aste

***Asta**: elemento asta a cui si riferiscono le sollecitazioni.*
***Ind.**: indice dell'asta.*
***Cont.**: contesto a cui si riferisce la sollecitazione*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Pos.**: numero della sezione all'interno dell'asta (tra 1 e 31, dove 1 corrisponde alla sezione al nodo iniziale, 16 è la sezione in mezzeria, 31 corrisponde alla sezione al nodo finale).*
***Posizione**: posizione a cui si riferisce la sollecitazione dell'asta.*
***X**: componente X della posizione a cui si riferisce la sollecitazione dell'asta. [m]*
***Y**: componente Y della posizione a cui si riferisce la sollecitazione dell'asta. [m]*
***Z**: componente Z della posizione a cui si riferisce la sollecitazione dell'asta. [m]*
***Soll.traslazionale**: componente traslazionale della sollecitazione dell'asta.*
***F1**: componente F1 della sollecitazione dell'asta. [kN]*
***F2**: componente F2 della sollecitazione dell'asta. [kN]*
***F3**: componente F3 della sollecitazione dell'asta. [kN]*
***Soll.rotazionale**: componente rotazionale della sollecitazione dell'asta.*
***M1**: componente M1 della sollecitazione dell'asta. [kN·m]*
***M2**: componente M2 della sollecitazione dell'asta. [kN·m]*
***M3**: componente M3 della sollecitazione dell'asta. [kN·m]*

Sollecitazioni con sforzo normale (N) minimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
3	SLU 32	1	9.45	3.3	0	-37.75	-12.22	-0.2	0.0008	0	0
4	SLU 32	1	9.45	6.6	0	-36.37	-11.84	-0.19	0.001	0	0
6	SLU 32	1	0	3.3	0	-34.63	8.52	0.12	0.0011	0	0
5	SLU 32	1	0	6.6	0	-33.93	8.55	0.14	0.0008	0	0
8	SLU 32	1	9.45	9.9	0	-28.53	-8.59	-0.22	0.0012	0	0

Sollecitazioni con sforzo normale (N) massimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
55	SLV 13	1	1.95	3.3	3.45	23.3	-1.82	-0.05	-0.0001	0	0
33	SLV 5	31	9.45	12.2	3.45	21.64	1.7	8.69	-0.0018	28.6582	-5.721
30	SLV 13	31	0	12.2	3.45	20.13	-6.18	3.49	0.0063	11.5652	20.9188
67	SLV 3	31	1.95	12.2	3.45	19.28	6.16	-0.12	-0.0058	-0.0215	-20.8778
32	SLV 9	31	0	17.7	3.45	18.82	-1.28	8.08	0.0008	26.7932	4.3531

Sollecitazioni con momento M2 minimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
8	SLV 11	31	9.45	9.9	3.45	1.45	-4.15	-8.8	0.0021	-30.2948	14.3015
3	SLV 11	31	9.45	3.3	3.45	-20.25	-6.21	-8.34	0.0021	-30.1028	21.7241
4	SLV 11	31	9.45	6.6	3.45	-13.56	-5.58	-8.3	0.0022	-29.521	19.4177
31	SLV 7	31	0	14.9	3.45	-2.24	1.58	-8.24	-0.001	-28.6053	-5.4744
33	SLV 11	31	9.45	12.2	3.45	-25.57	-1.84	-7.78	0.0019	-28.4886	6.4981

Sollecitazioni con momento M2 massimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3

3	SLV 5	31	9.45	3.3	3.45	-4.82	-0.84	8.62	-0.002	30.0904	2.8261
8	SLV 5	31	9.45	9.9	3.45	-20.84	-0.93	8.31	-0.002	30.0314	3.0461
4	SLV 5	31	9.45	6.6	3.45	-10.16	-1.25	8.35	-0.0022	29.4893	4.1943
33	SLV 5	31	9.45	12.2	3.45	21.64	1.7	8.69	-0.0018	28.6582	-5.721
31	SLV 9	31	0	14.9	3.45	-3.94	-1.59	8.22	0.0009	28.6242	5.5011

Sollecitazioni con momento M3 minimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
14	SLU 29	1	9.45	3.3	3.45	-15.09	-25.9	-0.11	0	0.103	-43.0502
23	SLU 29	31	9.45	6.6	3.45	-12.72	25.24	-0.1	0	-0.0579	-41.1925
18	SLV 1	31	0	3.3	3.45	-17.26	15.19	0.26	0.0001	0.2843	-40.7275
6	SLV 1	31	0	3.3	3.45	-17.54	11.59	1.35	-0.0055	4.8349	-40.7243
13	SLV 15	31	9.45	0	3.45	-9.3	12.46	-0.19	-0.0004	-0.1769	-40.0076

Sollecitazioni con momento M3 massimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
3	SLU 29	31	9.45	3.3	3.45	-33.5	-12.32	-0.33	0.0014	-1.2299	43.0404
4	SLU 29	31	9.45	6.6	3.45	-32	-11.8	-0.31	0.0016	-1.1645	41.1871
2	SLV 15	31	9.45	0	3.45	-7.51	-11.49	-3.51	0.0051	-12.3374	40.0133
17	SLU 32	1	3.81	3.3	3.45	-12.65	10.87	0.01	0	-0.0069	39.9169
16	SLU 32	31	3.81	3.3	3.45	-13.25	-1.1	-0.01	0	-0.0069	39.9154

4. PASSERELLA DI COLLEGAMENTO

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1 Materiali

1.1 Acciai

1.1.1 Proprietà acciai EC3/DM08/DM18

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy(s<=40 mm)**: resistenza di snervamento fy per spessori <=40 mm. [kN/m²]*
***fy(s>40 mm)**: resistenza di snervamento fy per spessori >40 mm. [kN/m²]*
***fu(s<=40 mm)**: resistenza di rottura per trazione fu per spessori <=40 mm. [kN/m²]*
***fu(s>40 mm)**: resistenza di rottura per trazione fu per spessori >40 mm. [kN/m²]*

Descrizione	Tipo	fy(s<=40 mm)	fy(s>40 mm)	fu(s<=40 mm)	fu(s>40 mm)
S355	S355	355000	335000	510000	470000
S275	S275	275000	255000	430000	410000

2 Sezioni

2.1 Sezioni in acciaio

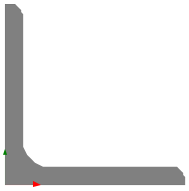
2.1.1 Profili singoli in acciaio

2.1.1.1 HEA - HEM - HEB - IPE

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Fonte**: origine dei dati dell'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***b**: larghezza dell'ala. [mm]*
***h**: altezza del profilo. [mm]*
***s**: spessore dell'anima. [mm]*
***t**: spessore delle ali. [mm]*
***r**: raggio del raccordo ala-anima. [mm]*
***f**: truschino. [mm]*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	t	r	f	Sup.
IPE200		1417	1072	1.95E7	1423872	51654	100	200	5.6	8.5	12	58	768.1
IPE140		840	626	5415866	449207	20355	73	140	4.7	6.9	7	38	550.5
HEA160	Concrete ITA	2400	858	1.67E7	6156152	87408	160	152	6	9	15	88	906.1

2.1.1.2 Profili a L

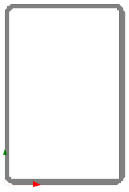


***Descrizione**: descrizione o nome assegnato all'elemento.*
***Fonte**: origine dei dati dell'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*

***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***b**: larghezza dell'ala. [mm]*
***h**: altezza. [mm]*
***s**: spessore. [mm]*
***r**: raggio del raccordo ala-anima. [mm]*
***r1**: raggio dello smusso dell'ala e dell'anima. [mm]*
***f**: truschino ala. [mm]*
***f1**: truschino anima. [mm]*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	r	r1	f	f1	Sup.
L50*5		250	250	109573	109573	3958	50	50	5	7	3.5	28	28	194

2.1.1.3 Tubi rettangolari



***Descrizione**: descrizione o nome assegnato all'elemento.*
***Fonte**: origine dei dati dell'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***h**: altezza del tubo. [mm]*
***b**: larghezza del tubo. [mm]*
***s**: spessore. [mm]*
***r**: raggio di curvatura. [mm]*
***Categoria**: categoria, basata sulla tecnologia costruttiva.*
***Formatura**: tipo di formatura a freddo del sagomato.*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	h	b	s	r	Categoria	Formatura	Sup.
EN10219 120x80x3	Concrete	480	720	2301954	1234346	2554713	120	80	3	3	Sagomato a freddo conforme UNI 10219	A rullo	760.5

2.1.2 Caratteristiche inerziali sezioni in acciaio

2.1.2.1 Caratteristiche inerziali principali sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Xg**: coordinata X del baricentro. [cm]*
***Yg**: coordinata Y del baricentro. [cm]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***Jxy**: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [cm4]*
***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [cm4]*
***Jn**: momento d'inerzia attorno all'asse baricentrico principale N. [cm4]*
***α X su M**: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]*
***Jt**: momento d'inerzia torsionale corretto con il fattore di forma. [cm4]*

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α X su M	Jt
IPE200	5	10	28.51	1945.38	142.39	0	1945.38	142.39	0	5.17
L50*5	1.4	1.4	4.8	10.96	10.96	-6.41	17.37	4.55	45	0.4
IPE140	3.65	7	16.44	541.59	44.92	0	541.59	44.92	0	2.04
EN10219 120x80x3	4	6	11.41	230.2	123.43	0	230.2	123.43	0	255.47
HEA160	8	7.6	38.82	1674.7	615.62	0	1674.7	615.62	0	8.74

2.1.2.2 Caratteristiche inerziali momenti sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***ix**: raggio di inerzia relativo all'asse x. [cm]*
***iy**: raggio di inerzia relativo all'asse y. [cm]*
***im**: raggio di inerzia relativo all'asse principale m. [cm]*
***in**: raggio di inerzia relativo all'asse principale n. [cm]*
***Sx**: momento statico relativo all'asse x. [cm³]*
***Sy**: momento statico relativo all'asse y. [cm³]*
***Wx**: modulo di resistenza elastico minimo relativo all'asse x. [cm³]*
***Wy**: modulo di resistenza elastico minimo relativo all'asse y. [cm³]*

***Wm**: modulo di resistenza elastico minimo relativo all'asse principale m. [cm³]*
***Wn**: modulo di resistenza elastico minimo relativo all'asse principale n. [cm³]*
***Wplx**: modulo di resistenza plastico relativo all'asse x. [cm³]*
***Wply**: modulo di resistenza plastico relativo all'asse y. [cm³]*

Descrizione	ix	iy	im	in	Sx	Sy	Wx	Wy	Wm	Wn	Wplx	Wply
IPE200	8.26	2.23	8.26	2.23	110.45	22.32	194.54	28.48	194.54	28.48	220.89	44.63
L50*5	1.51	1.51	1.9	0.97	3.14	3.14	3.05	3.05	4.91	2.29	5.59	5.59
IPE140	5.74	1.65	5.74	1.65	44.2	9.63	77.37	12.31	77.37	12.31	88.4	19.25
EN10219 120x80x3	4.49	3.29	4.49	3.29	23.08	17.5	38.37	30.86	38.37	30.86	46.2	35.02
HEA160	6.57	3.98	6.57	3.98	122.71	58.84	220.36	76.95	220.36	76.95	245.43	117.67

2.1.2.3 Caratteristiche inerziali taglio sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Atx**: area a taglio lungo x. [cm²]*
***Aty**: area a taglio lungo y. [cm²]*

Descrizione	Atx	Aty
IPE200	17	11.2
L50*5	2.5	2.5
IPE140	10.07	6.58
EN10219 120x80x3	4.8	7.2
HEA160	28.8	9.12

3 Azioni e carichi

3.1 Condizioni elementari di carico

***Descrizione**: nome assegnato alla condizione elementare.*
***Nome breve**: nome breve assegnato alla condizione elementare.*
***Durata**: descrive la durata della condizione (necessario per strutture in legno).*
***ψ0**: coefficiente moltiplicatore ψ0. Il valore è adimensionale.*
***ψ1**: coefficiente moltiplicatore ψ1. Il valore è adimensionale.*
***ψ2**: coefficiente moltiplicatore ψ2. Il valore è adimensionale.*
***Con segno**: descrive se la condizione elementare ha la possibilità di variare di segno.*

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Pesi strutturali	Pesi	Permanente				
Permanenti portati	Port.	Permanente				
Neve	Neve	Media	0.5	0.2	0	
Vento	Vento	Media	0.6	0.2	0	
ΔT	ΔT	Media	0.6	0.5	0	No
Sisma X SLV	SLV X					
Sisma Y SLV	SLV Y					
Sisma Z SLV	SLV Z					
Eccentricità Y per sisma X SLV	EySx SLV					
Eccentricità X per sisma Y SLV	ExSy SLV					
Sisma X SLD	SLD X					
Sisma Y SLD	SLD Y					
Sisma Z SLD	SLD Z					
Eccentricità Y per sisma X SLD	EySx SLD					
Eccentricità X per sisma Y SLD	ExSy SLD					
Sisma X SLO	SLO X					
Sisma Y SLO	SLO Y					
Sisma Z SLO	SLO Z					
Eccentricità Y per sisma X SLO	EySx SLO					
Eccentricità X per sisma Y SLO	ExSy SLO					
Rig Ux	Rig Ux					
Rig Uy	Rig Uy					
Rig Rz	Rig Rz					

3.2 Combinazioni di carico

***Nome**: E' il nome esteso che contraddistingue la condizione elementare di carico.*
***Nome breve**: E' il nome compatto della condizione elementare di carico, che viene utilizzato altrove nella relazione.*
***Pesi**: Pesi strutturali*
***Port.**: Permanenti portati*
***Neve**: Neve*
***Vento**: Vento*
***ΔT**: ΔT*
***SLO X**: Sisma X SLO*
***SLO Y**: Sisma Y SLO*
***SLO Z**: Sisma Z SLO*
***EySx SLO**: Eccentricità Y per sisma X SLO*
***ExSy SLO**: Eccentricità X per sisma Y SLO*
***SLD X**: Sisma X SLD*
***SLD Y**: Sisma Y SLD*
***SLD Z**: Sisma Z SLD*
***EySx SLD**: Eccentricità Y per sisma X SLD*

***ExSy SLD**: Eccentricità X per sisma Y SLD*
***SLV X**: Sisma X SLV*
***SLV Y**: Sisma Y SLV*
***SLV Z**: Sisma Z SLV*
***EySx SLV**: Eccentricità Y per sisma X SLV*
***ExSy SLV**: Eccentricità X per sisma Y SLV*
***Rig Ux**: Rig Ux*
***Rig Uy**: Rig Uy*
***Rig Rz**: Rig Rz*

Tutte le combinazioni di carico vengono raggruppate per famiglia di appartenenza. Le celle di una riga contengono i coefficienti moltiplicatori della i-esima combinazione, dove il valore della prima cella è da intendersi come moltiplicatore associato alla prima condizione elementare, la seconda cella si riferisce alla seconda condizione elementare e così via.

Famiglia SLU

Il nome compatto della famiglia è SLU.

Nome	Nome breve	Pesi	Port.	Neve	Vento	ΔT
1	SLU 1	1	0.8	0	0	0
2	SLU 2	1	0.8	0	1.5	0
3	SLU 3	1	0.8	0.75	1.5	0
4	SLU 4	1	0.8	1.5	0	0
5	SLU 5	1	0.8	1.5	0.9	0
6	SLU 6	1	1.5	0	0	0
7	SLU 7	1	1.5	0	1.5	0
8	SLU 8	1	1.5	0.75	1.5	0
9	SLU 9	1	1.5	1.5	0	0
10	SLU 10	1	1.5	1.5	0.9	0
11	SLU 11	1.3	0.8	0	0	0
12	SLU 12	1.3	0.8	0	1.5	0
13	SLU 13	1.3	0.8	0.75	1.5	0
14	SLU 14	1.3	0.8	1.5	0	0
15	SLU 15	1.3	0.8	1.5	0.9	0
16	SLU 16	1.3	1.5	0	0	0
17	SLU 17	1.3	1.5	0	1.5	0
18	SLU 18	1.3	1.5	0.75	1.5	0
19	SLU 19	1.3	1.5	1.5	0	0
20	SLU 20	1.3	1.5	1.5	0.9	0

Famiglia SLE rara

Il nome compatto della famiglia è SLE RA.

Nome	Nome breve	Pesi	Port.	Neve	Vento	ΔT
1	SLE RA 1	1	1	0	0	0
2	SLE RA 2	1	1	0	1	0
3	SLE RA 3	1	1	0.5	1	0
4	SLE RA 4	1	1	1	0	0
5	SLE RA 5	1	1	1	0.6	0

Famiglia SLE frequente

Il nome compatto della famiglia è SLE FR.

Nome	Nome breve	Pesi	Port.	Neve	Vento	ΔT
1	SLE FR 1	1	1	0	0	0
2	SLE FR 2	1	1	0	0.2	0
3	SLE FR 3	1	1	0.2	0	0

Famiglia SLE quasi permanente

Il nome compatto della famiglia è SLE QP.

Nome	Nome breve	Pesi	Port.	Neve	Vento	ΔT
1	SLE QP 1	1	1	0	0	0

Famiglia SLU eccezionale

Il nome compatto della famiglia è SLU EX.

Nome	Nome breve	Pesi	Port.	Neve	Vento	ΔT

Famiglia SLO

Il nome compatto della famiglia è SLO.

Nome	Nome breve	Pesi	Port.	Neve	Vento	ΔT	SLO X	SLO Y	SLO Z	EySx SLO	ExSy SLO
1	SLO 1	1	1	0	0	0	-1	-0.3	0	-1	0.3
2	SLO 2	1	1	0	0	0	-1	-0.3	0	1	-0.3
3	SLO 3	1	1	0	0	0	-1	0.3	0	-1	0.3
4	SLO 4	1	1	0	0	0	-1	0.3	0	1	-0.3
5	SLO 5	1	1	0	0	0	-0.3	-1	0	-0.3	1
6	SLO 6	1	1	0	0	0	-0.3	-1	0	0.3	-1
7	SLO 7	1	1	0	0	0	-0.3	1	0	-0.3	1
8	SLO 8	1	1	0	0	0	-0.3	1	0	0.3	-1
9	SLO 9	1	1	0	0	0	0.3	-1	0	-0.3	1
10	SLO 10	1	1	0	0	0	0.3	-1	0	0.3	-1
11	SLO 11	1	1	0	0	0	0.3	1	0	-0.3	1
12	SLO 12	1	1	0	0	0	0.3	1	0	0.3	-1
13	SLO 13	1	1	0	0	0	1	-0.3	0	-1	0.3
14	SLO 14	1	1	0	0	0	1	-0.3	0	1	-0.3
15	SLO 15	1	1	0	0	0	1	0.3	0	-1	0.3
16	SLO 16	1	1	0	0	0	1	0.3	0	1	-0.3

Famiglia SLD

Il nome compatto della famiglia è SLD.

Nome	Nome breve	Pesi	Port.	Neve	Vento	ΔT	SLD X	SLD Y	SLD Z	EySx SLD	ExSy SLD

1	**SLD 1**	1	1	0	0	0	-1	-0.3	0	-1	0.3
2	**SLD 2**	1	1	0	0	0	-1	-0.3	0	1	-0.3
3	**SLD 3**	1	1	0	0	0	-1	0.3	0	-1	0.3
4	**SLD 4**	1	1	0	0	0	-1	0.3	0	1	-0.3
5	**SLD 5**	1	1	0	0	0	-0.3	-1	0	-0.3	1
6	**SLD 6**	1	1	0	0	0	-0.3	-1	0	0.3	-1
7	**SLD 7**	1	1	0	0	0	-0.3	1	0	-0.3	1
8	**SLD 8**	1	1	0	0	0	-0.3	1	0	0.3	-1
9	**SLD 9**	1	1	0	0	0	0.3	-1	0	-0.3	1
10	**SLD 10**	1	1	0	0	0	0.3	-1	0	0.3	-1
11	**SLD 11**	1	1	0	0	0	0.3	1	0	-0.3	1
12	**SLD 12**	1	1	0	0	0	0.3	1	0	0.3	-1
13	**SLD 13**	1	1	0	0	0	1	-0.3	0	-1	0.3
14	**SLD 14**	1	1	0	0	0	1	-0.3	0	1	-0.3
15	**SLD 15**	1	1	0	0	0	1	0.3	0	-1	0.3
16	**SLD 16**	1	1	0	0	0	1	0.3	0	1	-0.3

Famiglia SLV

Il nome compatto della famiglia è SLV.

Nome	Nome breve	Pesi	Port.	Neve	Vento	ΔT	SLV X	SLV Y	SLV Z	EySx SLV	ExSy SLV
1	**SLV 1**	1	1	0	0	0	-1	-0.3	0	-1	0.3
2	**SLV 2**	1	1	0	0	0	-1	-0.3	0	1	-0.3
3	**SLV 3**	1	1	0	0	0	-1	0.3	0	-1	0.3
4	**SLV 4**	1	1	0	0	0	-1	0.3	0	1	-0.3
5	**SLV 5**	1	1	0	0	0	-0.3	-1	0	-0.3	1
6	**SLV 6**	1	1	0	0	0	-0.3	-1	0	0.3	-1
7	**SLV 7**	1	1	0	0	0	-0.3	1	0	-0.3	1
8	**SLV 8**	1	1	0	0	0	-0.3	1	0	0.3	-1
9	**SLV 9**	1	1	0	0	0	0.3	-1	0	-0.3	1
10	**SLV 10**	1	1	0	0	0	0.3	-1	0	0.3	-1
11	**SLV 11**	1	1	0	0	0	0.3	1	0	-0.3	1
12	**SLV 12**	1	1	0	0	0	0.3	1	0	0.3	-1
13	**SLV 13**	1	1	0	0	0	1	-0.3	0	-1	0.3
14	**SLV 14**	1	1	0	0	0	1	-0.3	0	1	-0.3
15	**SLV 15**	1	1	0	0	0	1	0.3	0	-1	0.3
16	**SLV 16**	1	1	0	0	0	1	0.3	0	1	-0.3

Famiglia Calcolo rigidezza torsionale/flessionale di piano

Il nome compatto della famiglia è CRTFP.

Nome	Nome breve	Rig Ux	Rig Uy	Rig Rz
Rig. Ux+	**CRTFP Ux+**	1	0	0
Rig. Ux-	**CRTFP Ux-**	-1	0	0
Rig. Uy+	**CRTFP Uy+**	0	1	0
Rig. Uy-	**CRTFP Uy-**	0	-1	0
Rig. Rz+	**CRTFP Rz+**	0	0	1
Rig. Rz-	**CRTFP Rz-**	0	0	-1

Famiglia P-Delta

Il nome compatto della famiglia è PTH.

Nome	Nome breve	Pesi	Port.	Neve	Vento	ΔT
Unica per metodo P-Delta	**Pd**	1	1	1	0	0

3.3 Definizioni di carichi lineari

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Fx i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione X. [kN/m]*
***Fx f.**: valore finale della forza, per unità di lunghezza, agente in direzione X. [kN/m]*
***Fy i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Y. [kN/m]*
***Fy f.**: valore finale della forza, per unità di lunghezza, agente in direzione Y. [kN/m]*
***Fz i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Z. [kN/m]*
***Fz f.**: valore finale della forza, per unità di lunghezza, agente in direzione Z. [kN/m]*
***Mx i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse X. [kN]*
***Mx f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse X. [kN]*
***My i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Y. [kN]*
***My f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Y. [kN]*
***Mz i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Z. [kN]*
***Mz f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Z. [kN]*

Nome	Valori												
	Condizione	Fx i.	Fx f.	Fy i.	Fy f.	Fz i.	Fz f.	Mx i.	Mx f.	My i.	My f.	Mz i.	Mz f.
	Descrizione												
Vento +Y	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Neve	0	0	0	0	0	0	0	0	0	0	0	0
	Vento	0	0	3	3	0	0	0	0	0	0	0	0

3.4 Definizioni di carichi superficiali

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Valore**: valore del carico per unità di superficie, nel caso il tipo sia "Verticale", "Verticale in proiezione", "Normale alla superficie". [kN/m²]*
***Cp vento**: valore del coefficiente di pressione Cp, nel caso il tipo sia "Cp vento". Il valore è adimensionale.*
***Tipo**: tipo di carico.*

Nome	Valori			
	Condizione	Valore	Cp vento	Tipo
	Descrizione			
1	Pesi strutturali	0.15		Verticale
	Permanenti portati	0.2		Verticale
	Neve	0.55		Verticale
	Vento	0		Verticale

4 Quote

4.1 Livelli

***Descrizione breve**: nome sintetico assegnato al livello.*
***Descrizione**: nome assegnato al livello.*
***Quota**: quota superiore espressa nel sistema di riferimento assoluto. [m]*
***Spessore**: spessore del livello. [m]*

Descrizione breve	Descrizione	Quota	Spessore
L1	Fondazione	0	0
L2	Copertura	3	0

4.2 Tronchi

***Descrizione breve**: nome sintetico assegnato al tronco.*
***Descrizione**: nome assegnato al tronco.*
***Quota 1**: riferimento della prima quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Quota 2**: riferimento della seconda quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*

Descrizione breve	Descrizione	Quota 1	Quota 2
T1	Fondazione - Copertura	Fondazione	Copertura

5 Elementi di input

5.1 Travi in acciaio

5.1.1 Travi in acciaio di piano

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*

***P.lin.**: peso per unità di lunghezza. [kN/m]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
			X	Y	X	Y										
IPE200	C	L2	5	0	5	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.22	
IPE140	C	L2	31	0	31	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.13	
IPE140	C	L2	33	0	33	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.13	
IPE200	C	L2	25	2.7	35	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.22	
IPE200	C	L2	25	0	35	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.22	
IPE200	C	L2	35	0	35	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.22	
IPE140	C	L2	17	0	17	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.13	
IPE140	C	L2	19	0	19	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.13	
IPE140	C	L2	21	0	21	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.13	
IPE140	C	L2	23	0	23	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.13	
IPE200	C	L2	15	2.7	25	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.22	
IPE200	C	L2	15	0	25	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.22	
IPE200	C	L2	25	0	25	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.22	
IPE140	C	L2	7	0	7	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.13	
IPE140	C	L2	9	0	9	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.13	
IPE140	C	L2	11	0	11	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.13	
IPE140	C	L2	13	0	13	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.13	
IPE200	C	L2	5	2.7	15	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.22	
IPE200	C	L2	5	0	15	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.22	
IPE200	C	L2	15	0	15	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.22	
IPE140	C	L2	29	0	29	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.13	
IPE140	C	L2	27	0	27	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.13	

5.2 Travi tiranti in acciaio

5.2.1 Travi tiranti in acciaio di piano

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto i.**: punto di inserimento iniziale.*

***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [kN/m]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
			X	Y	X	Y										
L50*5	C	L2	5	0	7	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	31	0	29	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	33	2.7	31	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	35	0	33	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	33	0	35	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	31	2.7	33	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	29	0	31	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	27	2.7	29	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	25	0	27	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	17	0	15	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	19	2.7	17	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	21	0	19	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	23	2.7	21	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	25	0	23	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	23	0	25	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	21	2.7	23	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	19	0	21	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	17	2.7	19	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	15	0	17	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	7	0	5	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	9	2.7	7	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	

			X	Y	X	Y										
L50*5	C	L2	11	0	9	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	13	2.7	11	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	15	0	13	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	13	0	15	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	11	2.7	13	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	9	0	11	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	7	2.7	9	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	29	2.7	27	0	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	
L50*5	C	L2	27	0	25	2.7	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.04	

5.3 Colonne in acciaio

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sezione**: sezione in acciaio.*
***Ang.**: angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***P.i.**: posizione del punto di inserimento rispetto alla geometria della sezione. SS=Sinistra-sotto, SC=Sinistra-centro, SA=Sinistra-alto, CS=Centro-sotto, CC=Centro-centro, CA=Centro-alto, DS=Destra-sotto, DC=Destra-centro, DA=Destra-alto*
***Punto**: posizione del punto di inserimento rispetto alla geometria della sezione.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Tr.	Sezione	Ang.	P.i.	Punto		Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	Cal.
				X	Y								
T1	HEA160	0	CC	5	0	S275	Vento +Y; G	Nessuno; Asse locale 2	0	No	No	No	
T1	EN10219 120x80x3	0	CC	31	2.7	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	33	2.7	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	33	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	31	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	29	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	27	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	HEA160	0	CC	35	2.7	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	
T1	HEA160	0	CC	35	0	S275	Vento +Y; G	Nessuno; Asse locale 2	0	No	No	No	
T1	EN10219 120x80x3	0	CC	7	2.7	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	

				X	Y								
T1	EN10219 120x80x3	0	CC	9	2.7	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	11	2.7	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	13	2.7	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	17	2.7	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	19	2.7	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	21	2.7	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	23	2.7	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	23	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	21	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	19	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	17	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	13	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	11	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	9	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	7	0	S355	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	HEA160	0	CC	25	2.7	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	
T1	HEA160	0	CC	25	0	S275	Vento +Y; G	Nessuno; Asse locale 2	0	No	No	No	
T1	HEA160	0	CC	15	2.7	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	
T1	HEA160	0	CC	15	0	S275	Vento +Y; G	Nessuno; Asse locale 2	0	No	No	No	
T1	HEA160	0	CC	5	2.7	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	
T1	EN10219 120x80x3	0	CC	29	2.7	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 120x80x3	0	CC	27	2.7	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	

5.4 Carichi superficiali

5.4.1 Carichi superficiali di piano

***Carico**: riferimento alla definizione di un carico di superficie.*
***Solaio**: caratteristiche dell'eventuale solaio.*
***Liv.**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punti**: punti di definizione in pianta.*
***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Angolo**: direzione delle nervature che trasmettono il carico.Angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Comp.**: descrizione sintetica del comportamento del carico superficiale o, nel caso di comportamento membranale, riferimento alla decrizione analitica della membrana.*
***Fori**: riferimenti a tutti gli elementi che forano il carico superficiale.*

Carico	Solaio	Liv.	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
1		L2	1	35	0	0	0	Nessuno	
			2	35	2.7				
			3	5	2.7				
			4	5	0				

5.5 Vincoli

5.5.1 Vincoli di piano

***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto**: punto di inserimento.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Ux**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN/m]*
***Uy**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN/m]*
***Uz**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN/m]*
***Rx**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN·m/deg]*
***Ry**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN·m/deg]*
***Rz**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN·m/deg]*

Livello	Punto		Estr.	Ux	Uy	Uz	Rx	Ry	Rz
	X	Y							
L1	15	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	29	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	27	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	33	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	31	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	29	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	27	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	35	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	35	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	23	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	21	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	19	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	17	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	13	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	11	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	9	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	7	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	23	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	21	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	19	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	17	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	13	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	11	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	9	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	7	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	25	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	25	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	15	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	5	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	5	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	31	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	33	2.7	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato

6 Nodi

6.1 Nodi di definizione

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Posizione**: coordinate del nodo.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Z**: coordinata Z. [cm]*

Indice	Posizione		
	X	Y	Z
2	500	0	0
3	700	0	0
4	900	0	0
5	1100	0	0
6	1300	0	0
7	1500	0	0
8	1700	0	0
9	1900	0	0
10	2100	0	0
11	2300	0	0
12	2500	0	0

	X	Y	Z
13	2700	0	0
14	2900	0	0
15	3100	0	0
16	3300	0	0
17	3500	0	0
18	500	270	0
19	700	270	0
20	900	270	0
21	1100	270	0
22	1300	270	0
23	1500	270	0
24	1700	270	0
25	1900	270	0
26	2100	270	0
27	2300	270	0
28	2500	270	0
29	2700	270	0
30	2900	270	0
31	3100	270	0
32	3300	270	0
33	3500	270	0
34	500	0	300
35	700	0	300
36	900	0	300
37	1100	0	300
38	1300	0	300
39	1500	0	300
40	1700	0	300
41	1900	0	300
42	2100	0	300
43	2300	0	300
44	2500	0	300
45	2700	0	300
46	2900	0	300
47	3100	0	300
48	3300	0	300
49	3500	0	300
50	500	270	300
51	700	270	300
52	900	270	300
53	1100	270	300
54	1300	270	300
55	1500	270	300
56	1700	270	300
57	1900	270	300
58	2100	270	300
59	2300	270	300
60	2500	270	300
61	2700	270	300
62	2900	270	300
63	3100	270	300
64	3300	270	300
65	3500	270	300

7 Aste

7.1 Carichi su aste

7.1.1 Carichi trapezoidali locali

Indice asta*: indice dell'asta a cui si riferisce il carico trapezoidale.*
Condizione*: condizione elementare di carico a cui si riferisce il carico.*
Posizione iniziale*: posizione iniziale del carico sull'asse locale 1. [m]*
F1 iniziale*: componente del valore iniziale del carico lungo l'asse locale 1. [kN/m]*
F2 iniziale*: componente del valore iniziale del carico lungo l'asse locale 2. [kN/m]*
F3 iniziale*: componente del valore iniziale del carico lungo l'asse locale 3. [kN/m]*
Posizione finale*: posizione finale del carico sull'asse locale 1. [m]*
F1 finale*: componente del valore finale del carico lungo l'asse locale 1. [kN/m]*
F2 finale*: componente del valore finale del carico lungo l'asse locale 2. [kN/m]*
F3 finale*: componente del valore finale del carico lungo l'asse locale 3. [kN/m]*

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
1	Vento	0	0	3	0	3	0	3	0
3	Pesi strutturali	0	0	-0.15	0	2.7	0	-0.15	0
3	Permanenti portati	0	0	-0.2	0	2.7	0	-0.2	0
3	Neve	0	0	-0.55	0	2.7	0	-0.55	0
4	Vento	0	0	3	0	3	0	3	0
6	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
6	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
6	Neve	0	0	-1.1	0	2.7	0	-1.1	0
17	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
17	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
17	Neve	0	0	-1.1	0	2.7	0	-1.1	0
18	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
18	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
18	Neve	0	0	-1.1	0	2.7	0	-1.1	0
19	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
19	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
19	Neve	0	0	-1.1	0	2.7	0	-1.1	0
20	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
20	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
20	Neve	0	0	-1.1	0	2.7	0	-1.1	0
21	Vento	0	0	3	0	3	0	3	0
23	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
23	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
23	Neve	0	0	-1.1	0	2.7	0	-1.1	0
34	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
34	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
34	Neve	0	0	-1.1	0	2.7	0	-1.1	0
35	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
35	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
35	Neve	0	0	-1.1	0	2.7	0	-1.1	0
36	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
36	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
36	Neve	0	0	-1.1	0	2.7	0	-1.1	0
37	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
37	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
37	Neve	0	0	-1.1	0	2.7	0	-1.1	0
38	Vento	0	0	3	0	3	0	3	0
39	Vento	0	0	3	0	3	0	3	0
40	Vento	0	0	3	0	3	0	3	0
41	Vento	0	0	3	0	3	0	3	0
42	Vento	0	0	3	0	3	0	3	0
43	Vento	0	0	3	0	3	0	3	0
44	Vento	0	0	3	0	3	0	3	0
45	Vento	0	0	3	0	3	0	3	0
54	Vento	0	0	3	0	3	0	3	0
56	Pesi strutturali	0	0	-0.15	0	2.7	0	-0.15	0
56	Permanenti portati	0	0	-0.2	0	2.7	0	-0.2	0
56	Neve	0	0	-0.55	0	2.7	0	-0.55	0
67	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
67	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
67	Neve	0	0	-1.1	0	2.7	0	-1.1	0
68	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
68	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
68	Neve	0	0	-1.1	0	2.7	0	-1.1	0
69	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
69	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
69	Neve	0	0	-1.1	0	2.7	0	-1.1	0
70	Pesi strutturali	0	0	-0.3	0	2.7	0	-0.3	0
70	Permanenti portati	0	0	-0.4	0	2.7	0	-0.4	0
70	Neve	0	0	-1.1	0	2.7	0	-1.1	0
71	Vento	0	0	3	0	3	0	3	0
72	Vento	0	0	3	0	3	0	3	0
73	Vento	0	0	3	0	3	0	3	0
74	Vento	0	0	3	0	3	0	3	0

7.2 Caratteristiche meccaniche aste

I seguenti dati si riferiscono alle caratteristiche meccaniche delle aste utilizzate dal solutore ad elementi finiti. Normalmente differiscono dalle caratteristiche inerziali delle sezioni definite nel database. Tengono conto dei moltiplicatori inerziali espressi nelle preferenze FEM e di indicazioni tratte dalla bibliografia (SAP 90 Volume I Figura X-8; Belluzzi Vol. 1).
***I.**: numero dell'elemento nell'insieme che lo contiene.*
***Area**: area della sezione trasversale. [m²]*
***Area 2**: area di taglio per sforzo di taglio nella direzione 2. [m²]*
***Area 3**: area di taglio per sforzo di taglio nella direzione 3. [m²]*
***In.2**: momento d'inerzia attorno all'asse locale 2. [m4]*
***In.3**: momento d'inerzia attorno all'asse locale 3. [m4]*
***In.tors.**: momento d'inerzia torsionale corretto con il fattore di torsione. [m4]*
***E**: modulo di elasticità longitudinale. [kN/m²]*
***G**: modulo di elasticità tangenziale. [kN/m²]*
***α**: coefficiente di dilatazione termica longitudinale. [°C-1]*
***P.unit.**: peso per unità di lunghezza dell'elemento. [kN/m]*
***S.fibre**: caratteristiche della sezione a fibre.*
***Sez.corr.**: sezione degli elementi correlati.*
***Desc.**: descrizione o nome assegnato all'elemento.*
***Mat.corr.**: materiale degli elementi correlati.*
***Desc.**: descrizione o nome assegnato all'elemento.*

I.	Area	Area 2	Area 3	In.2	In.3	In.tors.	E	G	α	P.unit.	S.fibre	Sez.corr.	Mat.corr.
												Desc.	Desc.
1	0.0039	0.0009	0.0024	6.16E-06	1.67E-05	8.74E-08	2.10E08	80769231	0.000012	0.305		HEA160	S275
2	0.0029	0.0011	0.0014	1.42E-06	1.95E-05	5.17E-08	2.10E08	80769231	0.000012	0.224		IPE200	S355
3	0.0016	0.0006	0.0008	4.49E-07	5.42E-06	2.04E-08	2.10E08	80769231	0.000012	0.129		IPE140	S355
4	0.0011	0.0007	0.0005	1.23E-06	2.30E-06	2.55E-06	2.10E08	80769231	0.000012	0.09		EN10219 120x80x3	S355

7.3 Definizioni aste

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Nodo I**: nodo iniziale.*

***Nodo J**: nodo finale.*
***Nodo K**: nodo che definisce l'asse locale 2.*
***Sezione**: caratteristiche inerziali-meccaniche della sezione.*
***Indice**: numero dell'elemento nell'insieme che lo contiene.*

Indice	Nodo I	Nodo J	Nodo K	Sezione
				Indice
1	2	34	67	1
2	18	50	67	1
3	34	50	68	2
4	7	39	67	1
5	23	55	67	1
6	39	55	68	2
7	34	35	68	2
8	35	36	68	2
9	36	37	68	2
10	37	38	68	2
11	38	39	68	2
12	50	51	68	2
13	51	52	68	2
14	52	53	68	2
15	53	54	68	2
16	54	55	68	2
17	38	54	68	3
18	37	53	68	3
19	36	52	68	3
20	35	51	68	3
21	12	44	67	1
22	28	60	67	1
23	44	60	68	2
24	39	40	68	2
25	40	41	68	2
26	41	42	68	2
27	42	43	68	2
28	43	44	68	2
29	55	56	68	2
30	56	57	68	2
31	57	58	68	2
32	58	59	68	2
33	59	60	68	2
34	43	59	68	3
35	42	58	68	3
36	41	57	68	3
37	40	56	68	3
38	3	35	67	4
39	4	36	67	4
40	5	37	67	4
41	6	38	67	4
42	8	40	67	4
43	9	41	67	4
44	10	42	67	4
45	11	43	67	4
46	27	59	67	4
47	26	58	67	4
48	25	57	67	4
49	24	56	67	4
50	22	54	67	4
51	21	53	67	4
52	20	52	67	4
53	19	51	67	4
54	17	49	67	1
55	33	65	67	1
56	49	65	68	2
57	44	45	68	2
58	45	46	68	2
59	46	47	68	2
60	47	48	68	2
61	48	49	68	2
62	60	61	68	2
63	61	62	68	2
64	62	63	68	2
65	63	64	68	2
66	64	65	68	2
67	48	64	68	3
68	47	63	68	3
69	46	62	68	3
70	45	61	68	3
71	13	45	67	4
72	14	46	67	4
73	15	47	67	4
74	16	48	67	4
75	32	64	67	4
76	31	63	67	4
77	30	62	67	4
78	29	61	67	4

8 Bielle

8.1 Caratteristiche meccaniche bielle

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Area**: area della sezione trasversale. [m²]*
***Rigidezza**: caratteristiche rigidezza di una sezione di biella.*
***α**: coefficiente di dilatazione termica longitudinale. [°C-1]*
***Peso unitario**: peso per unità di lunghezza dell'asta. [kN/m]*

Indice	Area	Rigidezza	α	Peso unitario
1	0.0005	2100000; 0; 1000000000000000000	0.000012	0.038

8.2 Definizioni bielle

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Nodo I**: nodo iniziale.*
***Nodo J**: nodo finale.*
***Sezione**: caratteristiche inerziali-meccaniche della sezione.*
***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Tronco rigido iniziale**: ampiezza del tronco rigido iniziale. [m]*
***Tronco rigido finale**: ampiezza del tronco rigido finale. [m]*
***Variazione termica**: variazione termica a cui è soggetto l'elemento. [°C]*

Indice	Nodo I	Nodo J	Sezione	Tronco rigido iniziale	Tronco rigido finale	Variazione termica
			Indice			
1	34	51	1	0.076	0.06	0
2	51	36	1	0.06	0.06	0
3	36	53	1	0.06	0.06	0
4	53	38	1	0.06	0.06	0
5	38	55	1	0.06	0.076	0
6	39	54	1	0.076	0.06	0
7	54	37	1	0.06	0.06	0
8	37	52	1	0.06	0.06	0
9	52	35	1	0.06	0.06	0
10	35	50	1	0.06	0.076	0
11	39	56	1	0.076	0.06	0
12	56	41	1	0.06	0.06	0
13	41	58	1	0.06	0.06	0
14	58	43	1	0.06	0.06	0
15	43	60	1	0.06	0.076	0
16	44	59	1	0.076	0.06	0
17	59	42	1	0.06	0.06	0
18	42	57	1	0.06	0.06	0
19	57	40	1	0.06	0.06	0
20	40	55	1	0.06	0.076	0
21	44	61	1	0.076	0.06	0
22	61	46	1	0.06	0.06	0
23	46	63	1	0.06	0.06	0
24	63	48	1	0.06	0.06	0
25	48	65	1	0.06	0.076	0
26	49	64	1	0.076	0.06	0
27	64	47	1	0.06	0.06	0
28	47	62	1	0.06	0.06	0
29	62	45	1	0.06	0.06	0
30	45	60	1	0.06	0.076	0

9 Reazioni nodali estreme

***Nodo**: Nodo sollecitato dalla reazione vincolare.*
***Ind.**: indice del nodo.*
***Cont.**: Contesto a cui si riferisce la reazione vincolare.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Reazione a traslazione**: reazione vincolare traslazionale del nodo.*
***x**: componente X della reazione vincolare del nodo. [kN]*
***y**: componente Y della reazione vincolare del nodo. [kN]*
***z**: componente Z della reazione vincolare del nodo. [kN]*
***Reazione a rotazione**: reazione vincolare rotazionale del nodo.*
***x**: componente X della reazione a rotazione del nodo. [kN·m]*
***y**: componente Y della reazione a rotazione del nodo. [kN·m]*
***z**: componente Z della reazione a rotazione del nodo. [kN·m]*

Reazioni Fx minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
33	SLV 15	-7.51	-1.63	7.7	2.6789	-11.8925	0.0002
17	SLV 13	-7.51	1.63	7.7	-2.6789	-11.8925	-0.0002
23	SLV 13	-7.51	1.93	8.32	-3.3783	-11.9086	0.0001
7	SLV 15	-7.51	-1.93	8.32	3.3783	-11.9086	-0.0001

Ind.	N.br.	x	y	z	x	y	z
28	SLV 15	-6.76	-2.25	11.56	3.6881	-11.1596	0.0001

Reazioni Fx massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
2	SLV 1	7.51	1.63	7.7	-2.6789	11.8925	0.0002
18	SLV 3	7.51	-1.63	7.7	2.6789	11.8925	-0.0002
28	SLV 1	7.51	1.93	8.32	-3.3783	11.9086	-0.0001
12	SLV 3	7.51	-1.93	8.32	3.3783	11.9086	0.0001
7	SLV 1	6.76	2.25	11.56	-3.6881	11.1596	0.0001

Reazioni Fy minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
7	SLU 2	-0.46	-22.5	-4.41	29.4398	-0.5147	-0.0004
12	SLU 2	0.46	-22.5	-4.41	29.4398	0.5147	0.0004
2	SLU 2	1.56	-18.91	-5.61	23.3506	1.3886	-0.0014
17	SLU 2	-1.56	-18.91	-5.61	23.3506	-1.3886	0.0014
23	SLU 18	-0.64	-15.08	33.12	25.5323	-0.6078	-0.0004

Reazioni Fy massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
7	SLV 5	1.8	7.1	16.59	-11.9103	3.1482	0.0002
12	SLV 9	-1.8	7.1	16.59	-11.9103	-3.1482	-0.0002
28	SLV 9	-1.73	6.83	3.04	-11.6377	-3.004	-0.0002
23	SLV 5	1.73	6.83	3.04	-11.6377	3.004	0.0002
17	SLV 5	-0.18	5.2	9.53	-8.7173	1.1016	-0.0006

Reazioni Fz minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
2	SLU 2	1.56	-18.91	-5.61	23.3506	1.3886	-0.0014
17	SLU 2	-1.56	-18.91	-5.61	23.3506	-1.3886	0.0014
7	SLU 2	-0.46	-22.5	-4.41	29.4398	-0.5147	-0.0004
12	SLU 2	0.46	-22.5	-4.41	29.4398	0.5147	0.0004
18	SLV 9	0.04	5.03	-0.42	-8.5525	-1.3603	0.0006

Reazioni Fz massime

Vengono mostrati i soli 5 nodi più sollecitati.

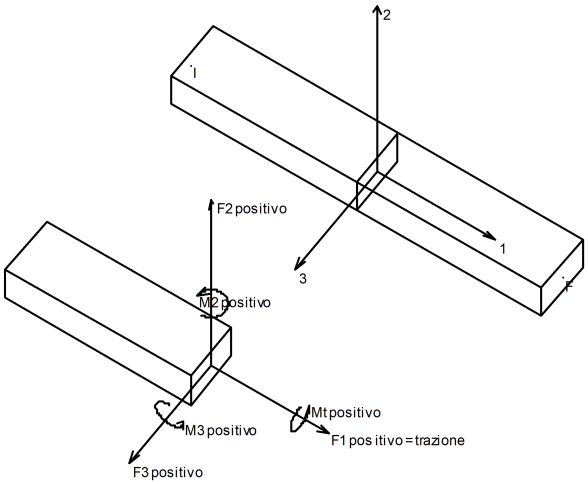
Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
28	SLU 20	0.92	-9.36	33.45	15.6348	0.9053	0.0002
23	SLU 20	-0.92	-9.36	33.45	15.6348	-0.9053	-0.0002
7	SLU 19	-0.98	0.52	25.17	-0.5036	-0.993	0
12	SLU 19	0.98	0.52	25.17	-0.5036	0.993	0
33	SLU 18	-3.75	-11.36	19.44	19.2518	-3.8346	0.0013

10 Sollecitazioni aste

10.1 Convenzioni di segno aste

Le abbreviazioni relative alle sollecitazioni sugli elementi aste sono da intendersi:

- F1 (N): sforzo normale nell'asta;
- F2: sforzo di taglio agente nella direzione dell'asse locale 2;
- F3: sforzo di taglio agente nella direzione dell'asse locale 3;
- M1 (Mt): momento attorno all'asse locale 1; equivale al momento torcente;
- M2: momento attorno all'asse locale 2;
- M3: momento attorno all'asse locale 3.



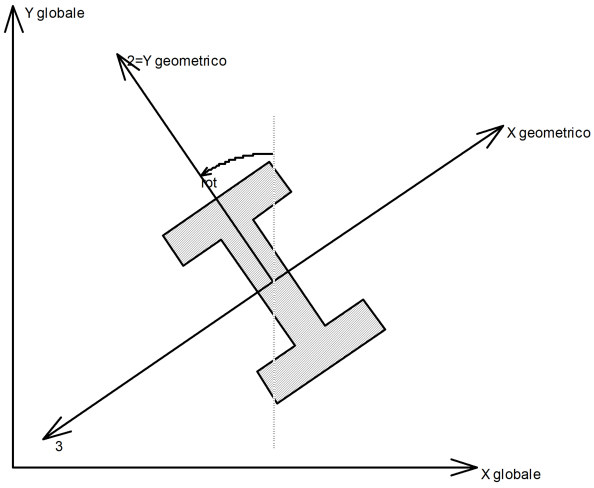
La convenzione sui segni per i parametri di sollecitazione delle aste è la seguente:
presa un'asta con nodo iniziale i e nodo finale f, asse 1 che va da i a f, assi 2 e 3 presi secondo quanto indicato nei paragrafi successivi relativi al sistema locale delle aste sezionando l'asta in un punto e considerando la sezione sinistra del punto in cui si è effettuato il taglio (sezione da cui esce il versore asse 1) i parametri di sollecitazione sono positivi se hanno verso e direzione concordi con il sistema di riferimento locale dell'asta 1, 2, 3 (per i momenti si adotta la regola della mano destra).

Il sistema è definito diversamente per tre categorie di aste, a seconda che siano originate da:

- aste verticali ad esempio pilastri e colonne;
- aste non verticali non di c.a., ad esempio travi di acciaio o legno;
- aste non verticali in c.a.: travi in c.a. di piano, falda o a quota generica.

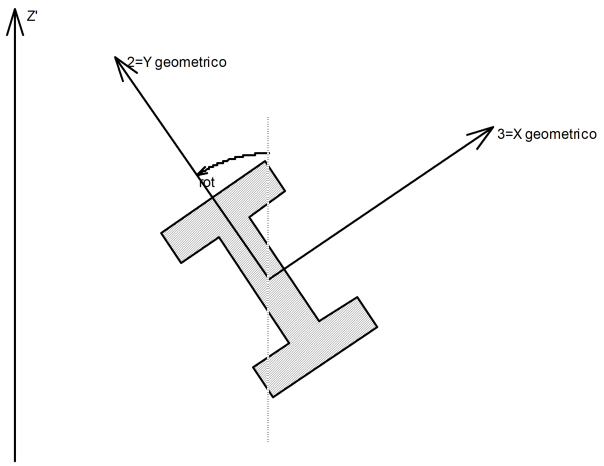
Nel seguito si indica con 1, 2 e 3 il sistema locale dell'asta che non sempre coincide con gli assi principali della sezione. Si ricorda che per assi principali si intendono gli assi rispetto a cui si ha il raggio di inerzia minimo e massimo. Gli assi 1, 2 e 3 rispettano la regola della mano destra.

Sistema locale aste verticali



Nella figura si considera l'asse 1 uscente dal foglio (l'osservatore guarda in direzione opposta a quella dell'asse 1).

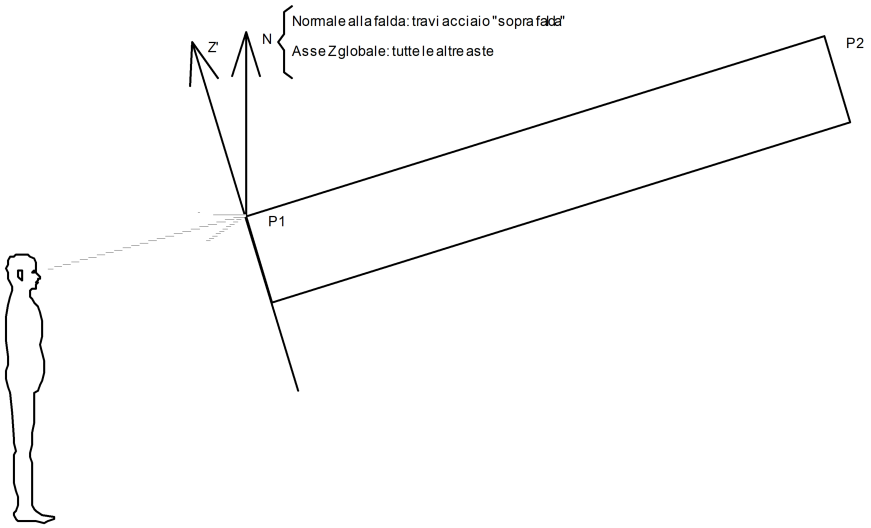
Sistema locale aste non verticali



Nella figura si considera l'asse 1 entrante nel foglio (l'osservatore guarda in direzione coincidente a quella dell'asse 1).

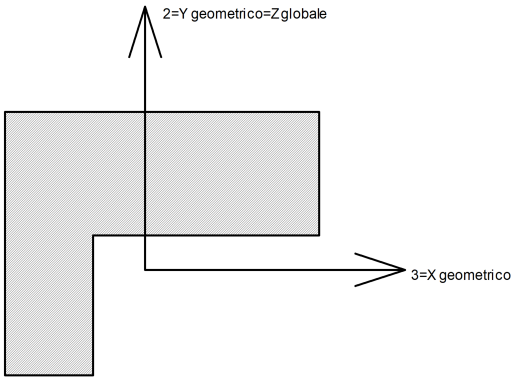
L'asse Z' è illustrato nella figura seguente dove:

- P1 è il punto di inserimento iniziale dell'asta;
- P2 è il punto di inserimento finale dell'asta;
- N è la normale al piano o falda di inserimento;



Z' è quindi l'intersezione tra il piano passante per P1, P2 contenente N e il piano della sezione iniziale dell'asta.

Sistema locale aste derivanti da travi in c.a.



Nella figura si considera l'asse 1 entrante nel foglio (l'osservatore guarda in direzione coincidente a quella dell'asse 1). L'asse 2 è sempre verticale e quindi coincidente con l'asse Z globale nonché con l'asse y geometrico. L'asse 3 coincide con l'asse x geometrico. . Si sottolinea il fatto che gli assi 2 e 3 non corrispondono agli assi principali della sezione.

10.2 Sollecitazioni estreme aste

***Asta**: elemento asta a cui si riferiscono le sollecitazioni.*
***Ind.**: indice dell'asta.*
***Cont.**: contesto a cui si riferisce la sollecitazione*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Pos.**: numero della sezione all'interno dell'asta (tra 1 e 31, dove 1 corrisponde alla sezione al nodo iniziale, 16 è la sezione in mezzeria, 31 corrisponde alla sezione al nodo finale).*
***Posizione**: posizione a cui si riferisce la sollecitazione dell'asta.*
***X**: componente X della posizione a cui si riferisce la sollecitazione dell'asta. [m]*
***Y**: componente Y della posizione a cui si riferisce la sollecitazione dell'asta. [m]*
***Z**: componente Z della posizione a cui si riferisce la sollecitazione dell'asta. [m]*
***Soll.traslazionale**: componente traslazionale della sollecitazione dell'asta.*
***F1**: componente F1 della sollecitazione dell'asta. [kN]*
***F2**: componente F2 della sollecitazione dell'asta. [kN]*
***F3**: componente F3 della sollecitazione dell'asta. [kN]*
***Soll.rotazionale**: componente rotazionale della sollecitazione dell'asta.*
***M1**: componente M1 della sollecitazione dell'asta. [kN·m]*
***M2**: componente M2 della sollecitazione dell'asta. [kN·m]*
***M3**: componente M3 della sollecitazione dell'asta. [kN·m]*

Sollecitazioni con sforzo normale (N) minimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
22	SLU 20	1	25	2.7	0	-33.45	9.36	0.92	-0.0002	-0.9053	15.6348
5	SLU 20	1	15	2.7	0	-33.45	9.36	-0.92	0.0002	0.9053	15.6348
26	SLU 18	1	19	0	3	-29.31	-0.29	0	0	-0.0281	6.1563
27	SLU 18	1	21	0	3	-29.31	3.13	-0.03	0	-0.0348	6.1563
25	SLU 18	1	17	0	3	-29.31	-3.71	0.03	0	-0.0805	-0.8397

Sollecitazioni con sforzo normale (N) massimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
31	SLU 2	1	19	2.7	3	24.99	-0.22	0	0	-0.0374	2.7307
30	SLU 2	1	17	2.7	3	19.96	-1.8	0	0	-0.0667	-0.3832
32	SLU 2	1	21	2.7	3	19.96	1.36	0	0	-0.0458	2.7307
64	SLU 2	1	29	2.7	3	17.78	-0.6	0.03	0.0002	-0.0553	3.6213
14	SLU 2	1	9	2.7	3	17.78	0.15	-0.03	-0.0002	-0.0182	4.3525

Sollecitazioni con momento M2 minimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
22	SLV 1	1	25	2.7	0	-8.32	-1.93	7.51	0.0001	-11.9086	-3.3783
21	SLV 3	1	25	0	0	-8.32	1.93	7.51	-0.0001	-11.9086	3.3783
1	SLV 1	1	5	0	0	-7.7	-1.63	7.51	-0.0002	-11.8925	-2.6789
2	SLV 3	1	5	2.7	0	-7.7	1.63	7.51	0.0002	-11.8925	2.6789
4	SLV 1	1	15	0	0	-11.56	-2.25	6.76	-0.0001	-11.1596	-3.6881

Sollecitazioni con momento M2 massimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3

5	SLV 13	1	15	2.7	0	-8.32	-1.93	-7.51	-0.0001	11.9086	-3.3783
4	SLV 15	1	15	0	0	-8.32	1.93	-7.51	0.0001	11.9086	3.3783
54	SLV 13	1	35	0	0	-7.7	-1.63	-7.51	0.0002	11.8925	-2.6789
55	SLV 15	1	35	2.7	0	-7.7	1.63	-7.51	-0.0002	11.8925	2.6789
22	SLV 15	1	25	2.7	0	-11.56	2.25	-6.76	-0.0001	11.1596	3.6881

Sollecitazioni con momento M3 minimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
57	SLU 20	1	25	0	3	-16.38	-10.53	-0.08	0.0002	0.1157	-21.3858
11	SLU 20	31	15	0	3	-16.38	10.53	0.08	-0.0002	0.1157	-21.3858
16	SLU 19	31	15	2.7	3	-4.89	10.5	0	0	0.0004	-21.1481
62	SLU 19	1	25	2.7	3	-4.89	-10.5	0	0	0.0004	-21.1481
5	SLU 18	31	15	2.7	3	-31.93	15.08	-0.64	0.0004	-1.3193	-20.1589

Sollecitazioni con momento M3 massimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
4	SLU 2	1	15	0	0	4.41	22.5	-0.46	0.0004	0.5147	29.4398
21	SLU 2	1	25	0	0	4.41	22.5	0.46	-0.0004	-0.5147	29.4398
5	SLU 18	1	15	2.7	0	-33.12	15.08	-0.64	0.0004	0.6078	25.5323
22	SLU 18	1	25	2.7	0	-33.12	15.08	0.64	-0.0004	-0.6078	25.5323
1	SLU 2	1	5	0	0	5.61	18.91	1.56	0.0014	-1.3886	23.3506

5. SALA FUMATORI ESTERNA

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1 Materiali

1.1 Materiali c.a.

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Rck**: resistenza caratteristica cubica; valore medio nel caso di edificio esistente. [kN/m²]*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [kN/m²]*
***G**: modulo di elasticità tangenziale del materiale, viene impiegato nella modellazione di aste e di elementi guscio a comportamento ortotropo. [kN/m²]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*
***γ**: peso specifico del materiale. [kN/m³]*
***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*

Descrizione	Rck	E	G	v	γ	α
C32/40	40000	33642778	15292172	0.1	25	0.00001

1.2 Armature

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Fonte**: origine dei dati dell'elemento.*
***fyk**: resistenza caratteristica. [kN/m²]*
***σamm.**: tensione ammissibile. [kN/m²]*
***Tipo**: tipo di barra.*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [kN/m²]*
***γ**: peso specifico del materiale. [kN/m³]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*
***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*
***Livello di conoscenza**: indica se il materiale è nuovo o esistente, e in tal caso il livello di conoscenza secondo Circ.617 02/02/09 §C8A. Informazione impiegata solo in analisi D.M. 14-01-08 (N.T.C.) eD.M. 17-01-18 (N.T.C.).*

Descrizione	Fonte	fyk	σamm.	Tipo	E	γ	v	α	Livello di conoscenza
B450C		450000	255000	Aderenza migliorata	206000000	78.5	0.3	0.000012	Nuovo

1.3 Acciai

1.3.1 Proprietà acciai EC3/DM08/DM18

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy(s<=40 mm)**: resistenza di snervamento fy per spessori <=40 mm. [kN/m²]*
***fy(s>40 mm)**: resistenza di snervamento fy per spessori >40 mm. [kN/m²]*
***fu(s<=40 mm)**: resistenza di rottura per trazione fu per spessori <=40 mm. [kN/m²]*
***fu(s>40 mm)**: resistenza di rottura per trazione fu per spessori >40 mm. [kN/m²]*

Descrizione	Tipo	fy(s<=40 mm)	fy(s>40 mm)	fu(s<=40 mm)	fu(s>40 mm)
S355	S355	355000	335000	510000	470000
S235_1	S235	235000	215000	360000	360000

2 Sezioni

2.1 Sezioni in acciaio

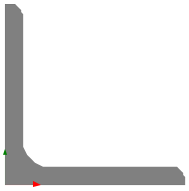
2.1.1 Profili singoli in acciaio

2.1.1.1 HEA - HEM - HEB - IPE

Descrizione: *descrizione o nome assegnato all'elemento.*
Fonte: *origine dei dati dell'elemento.*
Area Tx FEM: *area di taglio in direzione X per l'analisi FEM. [mm²]*
Area Ty FEM: *area di taglio in direzione Y per l'analisi FEM. [mm²]*
JxFEM: *momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
JyFEM: *momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
JtFEM: *momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
b: *larghezza dell'ala. [mm]*
h: *altezza del profilo. [mm]*
s: *spessore dell'anima. [mm]*
t: *spessore delle ali. [mm]*
r: *raggio del raccordo ala-anima. [mm]*
f: *truschino. [mm]*
Sup.: *superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	t	r	f	Sup.
IPE240		1960	1427	3.90E7	2836768	92805	120	240	6.2	9.8	15	72	921.7
IPE160_1		1011	763	8700783	683212	28202	82	160	5	7.4	9	42	622.5
HEA180_1		2850	969	2.51E7	9246467	113829	180	171	6	9.5	15	99	1024.1

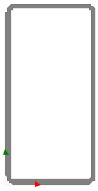
2.1.1.2 Profili a L



Descrizione: *descrizione o nome assegnato all'elemento.*
Fonte: *origine dei dati dell'elemento.*
Area Tx FEM: *area di taglio in direzione X per l'analisi FEM. [mm²]*
Area Ty FEM: *area di taglio in direzione Y per l'analisi FEM. [mm²]*
JxFEM: *momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
JyFEM: *momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
JtFEM: *momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
b: *larghezza dell'ala. [mm]*
h: *altezza. [mm]*
s: *spessore. [mm]*
r: *raggio del raccordo ala-anima. [mm]*
r1: *raggio dello smusso dell'ala e dell'anima. [mm]*
f: *truschino ala. [mm]*
f1: *truschino anima. [mm]*
Sup.: *superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	r	r1	f	f1	Sup.
L50*5		250	250	109573	109573	3958	50	50	5	7	3.5	28	28	194

2.1.1.3 Tubi rettangolari



Descrizione: *descrizione o nome assegnato all'elemento.*
Fonte: *origine dei dati dell'elemento.*
Area Tx FEM: *area di taglio in direzione X per l'analisi FEM. [mm²]*

***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***h**: altezza del tubo. [mm]*
***b**: larghezza del tubo. [mm]*
***s**: spessore. [mm]*
***r**: raggio di curvatura. [mm]*
***Categoria**: categoria, basata sulla tecnologia costruttiva.*
***Formatura**: tipo di formatura a freddo del sagomato.*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	h	b	s	r	Categoria	Formatura	Sup.
EN10219 160x80x4	Concrete	640	1280	5977107	2035447	4940980	160	80	4	4	Sagomato a freddo conforme UNI 10219	A rullo	907.3

2.1.2 Caratteristiche inerziali sezioni in acciaio

2.1.2.1 Caratteristiche inerziali principali sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Xg**: coordinata X del baricentro. [cm]*
***Yg**: coordinata Y del baricentro. [cm]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***Jxy**: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [cm4]*
***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [cm4]*
***Jn**: momento d'inerzia attorno all'asse baricentrico principale N. [cm4]*
***α X su M**: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]*
***Jt**: momento d'inerzia torsionale corretto con il fattore di forma. [cm4]*

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α X su M	Jt
L50*5	1.4	1.4	4.8	10.96	10.96	-6.41	17.37	4.55	45	0.4
IPE240	6	12	39.16	3896.61	283.68	0	3896.61	283.68	0	9.28
EN10219 160x80x4	4	8	18.15	597.71	203.54	0	597.71	203.54	0	494.1
IPE160_1	4.1	8	20.11	870.08	68.32	0	870.08	68.32	0	2.82
HEA180_1	9	8.55	45.3	2512.55	924.65	0	2512.55	924.65	0	11.38

2.1.2.2 Caratteristiche inerziali momenti sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***ix**: raggio di inerzia relativo all'asse x. [cm]*
***iy**: raggio di inerzia relativo all'asse y. [cm]*
***im**: raggio di inerzia relativo all'asse principale m. [cm]*
***in**: raggio di inerzia relativo all'asse principale n. [cm]*
***Sx**: momento statico relativo all'asse x. [cm³]*
***Sy**: momento statico relativo all'asse y. [cm³]*
***Wx**: modulo di resistenza elastico minimo relativo all'asse x. [cm³]*
***Wy**: modulo di resistenza elastico minimo relativo all'asse y. [cm³]*
***Wm**: modulo di resistenza elastico minimo relativo all'asse principale m. [cm³]*
***Wn**: modulo di resistenza elastico minimo relativo all'asse principale n. [cm³]*
***Wplx**: modulo di resistenza plastico relativo all'asse x. [cm³]*
***Wply**: modulo di resistenza plastico relativo all'asse y. [cm³]*

Descrizione	ix	iy	im	in	Sx	Sy	Wx	Wy	Wm	Wn	Wplx	Wply
L50*5	1.51	1.51	1.9	0.97	3.14	3.14	3.05	3.05	4.91	2.29	5.59	5.59
IPE240	9.98	2.69	9.98	2.69	183.56	36.98	324.72	47.28	324.72	47.28	367.12	73.96
EN10219 160x80x4	5.74	3.35	5.74	3.35	46.39	28.68	74.71	50.89	74.71	50.89	92.86	57.39
IPE160_1	6.58	1.84	6.58	1.84	61.99	13.05	108.76	16.66	108.76	16.66	123.97	26.11
HEA180_1	7.45	4.52	7.45	4.52	162.59	78.27	293.87	102.74	293.87	102.74	325.17	156.53

2.1.2.3 Caratteristiche inerziali taglio sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Atx**: area a taglio lungo x. [cm²]*
***Aty**: area a taglio lungo y. [cm²]*

Descrizione	Atx	Aty
L50*5	2.5	2.5
IPE240	23.52	14.88
EN10219 160x80x4	6.4	12.8
IPE160_1	12.14	8
HEA180_1	34.2	10.26

3 Azioni e carichi

3.1 Condizioni elementari di carico

***Descrizione**: nome assegnato alla condizione elementare.*
***Nome breve**: nome breve assegnato alla condizione elementare.*
***Durata**: descrive la durata della condizione (necessario per strutture in legno).*
***ψ0**: coefficiente moltiplicatore ψ0. Il valore è adimensionale.*
***ψ1**: coefficiente moltiplicatore ψ1. Il valore è adimensionale.*
***ψ2**: coefficiente moltiplicatore ψ2. Il valore è adimensionale.*
***Con segno**: descrive se la condizione elementare ha la possibilità di variare di segno.*

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Pesi strutturali	Pesi	Permanente				
Permanenti portati	Port.	Permanente				
Neve	Neve	Media	0.5	0.2	0	
Vento +X	Vento +X	Media	0.6	0.2	0	
Vento +Y	Vento +Y	Media	0.6	0.2	0	
ΔT	ΔT	Media	0.6	0.5	0	No
Sisma X SLV	SLV X					
Sisma Y SLV	SLV Y					
Sisma Z SLV	SLV Z					
Eccentricità Y per sisma X SLV	EySx SLV					
Eccentricità X per sisma Y SLV	ExSy SLV					
Sisma X SLD	SLD X					
Sisma Y SLD	SLD Y					
Sisma Z SLD	SLD Z					
Eccentricità Y per sisma X SLD	EySx SLD					
Eccentricità X per sisma Y SLD	ExSy SLD					
Sisma X SLO	SLO X					
Sisma Y SLO	SLO Y					
Sisma Z SLO	SLO Z					
Eccentricità Y per sisma X SLO	EySx SLO					
Eccentricità X per sisma Y SLO	ExSy SLO					
Rig Ux	Rig Ux					
Rig Uy	Rig Uy					
Rig Rz	Rig Rz					

3.2 Combinazioni di carico

***Nome**: E' il nome esteso che contraddistingue la condizione elementare di carico.*
***Nome breve**: E' il nome compatto della condizione elementare di carico, che viene utilizzato altrove nella relazione.*
***Pesi**: Pesi strutturali*
***Port.**: Permanenti portati*
***Neve**: Neve*
***Vento +X**: Vento +X*
***Vento +Y**: Vento +Y*
***ΔT**: ΔT*
***SLO X**: Sisma X SLO*
***SLO Y**: Sisma Y SLO*
***SLO Z**: Sisma Z SLO*
***EySx SLO**: Eccentricità Y per sisma X SLO*
***ExSy SLO**: Eccentricità X per sisma Y SLO*
***SLD X**: Sisma X SLD*
***SLD Y**: Sisma Y SLD*
***SLD Z**: Sisma Z SLD*
***EySx SLD**: Eccentricità Y per sisma X SLD*
***ExSy SLD**: Eccentricità X per sisma Y SLD*
***SLV X**: Sisma X SLV*
***SLV Y**: Sisma Y SLV*
***SLV Z**: Sisma Z SLV*
***EySx SLV**: Eccentricità Y per sisma X SLV*
***ExSy SLV**: Eccentricità X per sisma Y SLV*
***Rig Ux**: Rig Ux*
***Rig Uy**: Rig Uy*
***Rig Rz**: Rig Rz*
Tutte le combinazioni di carico vengono raggruppate per famiglia di appartenenza. Le celle di una riga contengono i coefficienti moltiplicatori della i-esima combinazione, dove il valore della prima cella è da intendersi come moltiplicatore associato alla prima condizione elementare, la seconda cella si riferisce alla seconda condizione elementare e così via.

Famiglia SLU

Il nome compatto della famiglia è SLU.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT
1	**SLU 1**	1	0.8	0	0	0	0
2	**SLU 2**	1	0.8	0	0	1.5	0
3	**SLU 3**	1	0.8	0	1.5	0	0
4	**SLU 4**	1	0.8	0.75	0	1.5	0
5	**SLU 5**	1	0.8	0.75	1.5	0	0
6	**SLU 6**	1	0.8	1.5	0	0	0
7	**SLU 7**	1	0.8	1.5	0	0.9	0
8	**SLU 8**	1	0.8	1.5	0.9	0	0
9	**SLU 9**	1	1.5	0	0	0	0
10	**SLU 10**	1	1.5	0	0	1.5	0

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT
11	SLU 11	1	1.5	0	1.5	0	0
12	SLU 12	1	1.5	0.75	0	1.5	0
13	SLU 13	1	1.5	0.75	1.5	0	0
14	SLU 14	1	1.5	1.5	0	0	0
15	SLU 15	1	1.5	1.5	0	0.9	0
16	SLU 16	1	1.5	1.5	0.9	0	0
17	SLU 17	1.3	0.8	0	0	0	0
18	SLU 18	1.3	0.8	0	0	1.5	0
19	SLU 19	1.3	0.8	0	1.5	0	0
20	SLU 20	1.3	0.8	0.75	0	1.5	0
21	SLU 21	1.3	0.8	0.75	1.5	0	0
22	SLU 22	1.3	0.8	1.5	0	0	0
23	SLU 23	1.3	0.8	1.5	0	0.9	0
24	SLU 24	1.3	0.8	1.5	0.9	0	0
25	SLU 25	1.3	1.5	0	0	0	0
26	SLU 26	1.3	1.5	0	0	1.5	0
27	SLU 27	1.3	1.5	0	1.5	0	0
28	SLU 28	1.3	1.5	0.75	0	1.5	0
29	SLU 29	1.3	1.5	0.75	1.5	0	0
30	SLU 30	1.3	1.5	1.5	0	0	0
31	SLU 31	1.3	1.5	1.5	0	0.9	0
32	SLU 32	1.3	1.5	1.5	0.9	0	0

Famiglia SLE rara

Il nome compatto della famiglia è SLE RA.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT
1	SLE RA 1	1	1	0	0	0	0
2	SLE RA 2	1	1	0	0	1	0
3	SLE RA 3	1	1	0	1	0	0
4	SLE RA 4	1	1	0.5	0	1	0
5	SLE RA 5	1	1	0.5	1	0	0
6	SLE RA 6	1	1	1	0	0	0
7	SLE RA 7	1	1	1	0	0.6	0
8	SLE RA 8	1	1	1	0.6	0	0

Famiglia SLE frequente

Il nome compatto della famiglia è SLE FR.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT
1	SLE FR 1	1	1	0	0	0	0
2	SLE FR 2	1	1	0	0	0.2	0
3	SLE FR 3	1	1	0	0.2	0	0
4	SLE FR 4	1	1	0.2	0	0	0

Famiglia SLE quasi permanente

Il nome compatto della famiglia è SLE QP.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT
1	SLE QP 1	1	1	0	0	0	0

Famiglia SLU eccezionale

Il nome compatto della famiglia è SLU EX.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT

Famiglia SLO

Il nome compatto della famiglia è SLO.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT	SLO X	SLO Y	SLO Z	EySx SLO	ExSy SLO
1	SLO 1	1	1	0	0	0	0	-1	-0.3	0	-1	0.3
2	SLO 2	1	1	0	0	0	0	-1	-0.3	0	1	-0.3
3	SLO 3	1	1	0	0	0	0	-1	0.3	0	-1	0.3
4	SLO 4	1	1	0	0	0	0	-1	0.3	0	1	-0.3
5	SLO 5	1	1	0	0	0	0	-0.3	-1	0	-0.3	1
6	SLO 6	1	1	0	0	0	0	-0.3	-1	0	0.3	-1
7	SLO 7	1	1	0	0	0	0	-0.3	1	0	-0.3	1
8	SLO 8	1	1	0	0	0	0	-0.3	1	0	0.3	-1
9	SLO 9	1	1	0	0	0	0	0.3	-1	0	-0.3	1
10	SLO 10	1	1	0	0	0	0	0.3	-1	0	0.3	-1
11	SLO 11	1	1	0	0	0	0	0.3	1	0	-0.3	1
12	SLO 12	1	1	0	0	0	0	0.3	1	0	0.3	-1
13	SLO 13	1	1	0	0	0	0	1	-0.3	0	-1	0.3
14	SLO 14	1	1	0	0	0	0	1	-0.3	0	1	-0.3
15	SLO 15	1	1	0	0	0	0	1	0.3	0	-1	0.3
16	SLO 16	1	1	0	0	0	0	1	0.3	0	1	-0.3

Famiglia SLD

Il nome compatto della famiglia è SLD.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT	SLD X	SLD Y	SLD Z	EySx SLD	ExSy SLD
1	SLD 1	1	1	0	0	0	0	-1	-0.3	0	-1	0.3
2	SLD 2	1	1	0	0	0	0	-1	-0.3	0	1	-0.3
3	SLD 3	1	1	0	0	0	0	-1	0.3	0	-1	0.3
4	SLD 4	1	1	0	0	0	0	-1	0.3	0	1	-0.3
5	SLD 5	1	1	0	0	0	0	-0.3	-1	0	-0.3	1
6	SLD 6	1	1	0	0	0	0	-0.3	-1	0	0.3	-1
7	SLD 7	1	1	0	0	0	0	-0.3	1	0	-0.3	1
8	SLD 8	1	1	0	0	0	0	-0.3	1	0	0.3	-1
9	SLD 9	1	1	0	0	0	0	0.3	-1	0	-0.3	1
10	SLD 10	1	1	0	0	0	0	0.3	-1	0	0.3	-1

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT	SLD X	SLD Y	SLD Z	EySx SLD	ExSy SLD
11	SLD 11	1	1	0	0	0	0	0.3	1	0	-0.3	1
12	SLD 12	1	1	0	0	0	0	0.3	1	0	0.3	-1
13	SLD 13	1	1	0	0	0	0	1	-0.3	0	-1	0.3
14	SLD 14	1	1	0	0	0	0	1	-0.3	0	1	-0.3
15	SLD 15	1	1	0	0	0	0	1	0.3	0	-1	0.3
16	SLD 16	1	1	0	0	0	0	1	0.3	0	1	-0.3

Famiglia SLV

Il nome compatto della famiglia è SLV.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT	SLV X	SLV Y	SLV Z	EySx SLV	ExSy SLV
1	SLV 1	1	1	0	0	0	0	-1	-0.3	0	-1	0.3
2	SLV 2	1	1	0	0	0	0	-1	-0.3	0	1	-0.3
3	SLV 3	1	1	0	0	0	0	-1	0.3	0	-1	0.3
4	SLV 4	1	1	0	0	0	0	-1	0.3	0	1	-0.3
5	SLV 5	1	1	0	0	0	0	-0.3	-1	0	-0.3	1
6	SLV 6	1	1	0	0	0	0	-0.3	-1	0	0.3	-1
7	SLV 7	1	1	0	0	0	0	-0.3	1	0	-0.3	1
8	SLV 8	1	1	0	0	0	0	-0.3	1	0	0.3	-1
9	SLV 9	1	1	0	0	0	0	0.3	-1	0	-0.3	1
10	SLV 10	1	1	0	0	0	0	0.3	-1	0	0.3	-1
11	SLV 11	1	1	0	0	0	0	0.3	1	0	-0.3	1
12	SLV 12	1	1	0	0	0	0	0.3	1	0	0.3	-1
13	SLV 13	1	1	0	0	0	0	1	-0.3	0	-1	0.3
14	SLV 14	1	1	0	0	0	0	1	-0.3	0	1	-0.3
15	SLV 15	1	1	0	0	0	0	1	0.3	0	-1	0.3
16	SLV 16	1	1	0	0	0	0	1	0.3	0	1	-0.3

Famiglia Calcolo rigidezza torsionale/flessionale di piano

Il nome compatto della famiglia è CRTFP.

Nome	Nome breve	Rig Ux	Rig Uy	Rig Rz
Rig. Ux+	CRTFP Ux+	1	0	0
Rig. Ux-	CRTFP Ux-	-1	0	0
Rig. Uy+	CRTFP Uy+	0	1	0
Rig. Uy-	CRTFP Uy-	0	-1	0
Rig. Rz+	CRTFP Rz+	0	0	1
Rig. Rz-	CRTFP Rz-	0	0	-1

Famiglia P-Delta

Il nome compatto della famiglia è PTH.

Nome	Nome breve	Pesi	Port.	Neve	Vento +X	Vento +Y	ΔT
Unica per metodo P-Delta	Pd	1	1	1	0	0	0

3.3 Definizioni di carichi lineari

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Fx i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione X. [kN/m]*
***Fx f.**: valore finale della forza, per unità di lunghezza, agente in direzione X. [kN/m]*
***Fy i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Y. [kN/m]*
***Fy f.**: valore finale della forza, per unità di lunghezza, agente in direzione Y. [kN/m]*
***Fz i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Z. [kN/m]*
***Fz f.**: valore finale della forza, per unità di lunghezza, agente in direzione Z. [kN/m]*
***Mx i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse X. [kN]*
***Mx f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse X. [kN]*
***My i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Y. [kN]*
***My f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Y. [kN]*
***Mz i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Z. [kN]*
***Mz f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Z. [kN]*

Nome	Valori												
	Condizione	Fx i.	Fx f.	Fy i.	Fy f.	Fz i.	Fz f.	Mx i.	Mx f.	My i.	My f.	Mz i.	Mz f.
	Descrizione												
Vento +Y	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Neve	0	0	0	0	0	0	0	0	0	0	0	0
	Vento +X	0	0	0	0	0	0	0	0	0	0	0	0
	Vento +Y	0	0	1.5	1.5	0	0	0	0	0	0	0	0
Vento angoli	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Neve	0	0	0	0	0	0	0	0	0	0	0	0
	Vento +X	-0.8	-0.8	0	0	0	0	0	0	0	0	0	0
	Vento +Y	0	0	0.8	0.8	0	0	0	0	0	0	0	0
Vento +X	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Neve	0	0	0	0	0	0	0	0	0	0	0	0
	Vento +X	-1.5	-1.5	0	0	0	0	0	0	0	0	0	0
	Vento +Y	0	0	0	0	0	0	0	0	0	0	0	0

3.4 Definizioni di carichi superficiali

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Valore**: valore del carico per unità di superficie, nel caso il tipo sia "Verticale", "Verticale in proiezione", "Normale alla superficie". [kN/m²]*
***Cp vento**: valore del coefficiente di pressione Cp, nel caso il tipo sia "Cp vento". Il valore è adimensionale.*
***Tipo**: tipo di carico.*

Nome	Valori			
	Condizione	Valore	Cp vento	Tipo
	Descrizione			
1	Pesi strutturali	0.15		Verticale
	Permanenti portati	0.2		Verticale
	Neve	0.55		Verticale
	Vento +X	-1.5		Verticale
	Vento +Y	0		Verticale

4 Quote

4.1 Livelli

***Descrizione breve**: nome sintetico assegnato al livello.*
***Descrizione**: nome assegnato al livello.*
***Quota**: quota superiore espressa nel sistema di riferimento assoluto. [m]*
***Spessore**: spessore del livello. [m]*

Descrizione breve	Descrizione	Quota	Spessore
L1	Fondazione	0	0
L2	COPERTURA CORRIDOIO	3.5	0
L3	Copertura	4.5	0

4.2 Tronchi

***Descrizione breve**: nome sintetico assegnato al tronco.*
***Descrizione**: nome assegnato al tronco.*
***Quota 1**: riferimento della prima quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Quota 2**: riferimento della seconda quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*

Descrizione breve	Descrizione	Quota 1	Quota 2
T1	Fondazione - COPERTURA CORRIDOIO	Fondazione	COPERTURA CORRIDOIO
T2	Fondazione - Copertura	Fondazione	Copertura

5 Elementi di input

5.1 Travi in acciaio

5.1.1 Travi in acciaio di piano

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*

***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [kN/m]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
			X	Y	X	Y										
IPE160_1	C	L2	5.547	5.569	5.547	3.79	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE240	C	L2	4.083	5.569	7.012	5.569	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L2	4.083	3.79	7.012	3.79	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L2	4.083	3.79	4.083	5.569	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L2	7.012	3.79	7.012	5.569	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE160_1	C	L3	9.423	5.569	9.423	7.521	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L3	9.423	3.79	9.423	5.569	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L3	9.423	1.729	9.423	3.79	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE240	C	L3	11.834	7.521	11.834	9.491	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L3	11.834	5.569	11.834	7.521	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L3	11.834	3.79	11.834	5.569	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L3	11.834	1.729	11.834	3.79	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L3	7.012	3.79	7.012	5.569	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L3	7.012	5.569	7.012	7.521	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE160_1	C	L3	9.423	7.521	9.423	9.491	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE240	C	L3	7.012	1.729	7.012	3.79	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L3	7.012	1.729	11.834	1.729	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L3	7.012	3.79	11.834	3.79	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L3	7.012	5.569	11.834	5.569	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L3	7.012	7.521	11.834	7.521	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L3	7.012	7.521	7.012	9.491	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L3	7.012	9.491	11.834	9.491	0	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.31	

5.2 Travi tiranti in acciaio

5.2.1 Travi tiranti in acciaio di piano

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*

***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [kN/m]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
			X	Y	X	Y										
L50*5	C	L3	7.012	3.79	9.423	1.729	0	S235_1	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.04	
L50*5	C	L3	9.423	1.729	11.834	3.79	0	S235_1	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.04	
L50*5	C	L3	7.012	1.729	9.423	3.79	0	S235_1	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.04	
L50*5	C	L3	9.423	3.79	11.834	1.729	0	S235_1	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.04	

5.3 Colonne in acciaio

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sezione**: sezione in acciaio.*
***Ang.**: angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***P.i.**: posizione del punto di inserimento rispetto alla geometria della sezione. SS=Sinistra-sotto, SC=Sinistra-centro, SA=Sinistra-alto, CS=Centro-sotto, CC=Centro-centro, CA=Centro-alto, DS=Destra-sotto, DC=Destra-centro, DA=Destra-alto*
***Punto**: posizione del punto di inserimento rispetto alla geometria della sezione.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Tr.	Sezione	Ang.	P.i.	Punto		Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	Cal.
				X	Y								
T1	HEA180_1	0	CC	4.083	5.569	S235_1	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	
T2	EN10219 160x80x4	90	CC	11.834	8.506	S235_1	Vento +X; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T2	EN10219 160x80x4	90	CC	11.834	6.545	S235_1	Vento +X; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T2	EN10219 160x80x4	90	CC	11.834	4.707	S235_1	Vento +X; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T2	EN10219 160x80x4	90	CC	11.834	2.759	S235_1	Vento +X; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T2	EN10219 160x80x4	0	CC	10.868	1.729	S235_1	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T2	EN10219 160x80x4	0	CC	9.904	1.729	S235_1	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T2	EN10219 160x80x4	0	CC	8.94	1.729	S235_1	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	

				X	Y								
T2	EN10219 160x80x4	0	CC	7.976	1.729	S235_1	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T2	EN10219 160x80x4	90	CC	7.012	2.759	S235_1	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T1	EN10219 160x80x4	0	CC	6.022	3.791	S235_1	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	
T2	HEA180_1	90	CC	11.834	1.729	S235_1	Vento angoli; G	Nessuno; Asse locale 2	0	No	No	No	
T2	HEA180_1	90	CC	11.834	5.569	S235_1	Vento +X; G	Nessuno; Asse locale 2	0	No	No	No	
T2	HEA180_1	90	CC	11.834	7.521	S235_1	Vento +X; G	Nessuno; Asse locale 2	0	No	No	No	
T2	HEA180_1	90	CC	11.834	9.491	S235_1	Vento +X; G	Nessuno; Asse locale 2	0	No	No	No	
T2	HEA180_1	90	CC	7.012	9.491	S235_1	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	
T2	HEA180_1	90	CC	6.996	7.505	S235_1	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	
T2	HEA180_1	90	CC	7.012	1.729	S235_1	Vento angoli; G	Nessuno; Asse locale 2	0	No	No	No	
T2	HEA180_1	90	CC	7.012	3.79	S235_1	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	
T2	HEA180_1	90	CC	7.012	5.569	S235_1	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	
T1	HEA180_1	0	CC	4.083	3.79	S235_1	Vento +Y; G	Nessuno; Asse locale 2	0	No	No	No	
T2	HEA180_1	90	CC	11.834	3.79	S235_1	Vento +X; G	Nessuno; Asse locale 2	0	No	No	No	
T1	EN10219 160x80x4	0	CC	5.052	3.791	S235_1	Vento +Y; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: F1 (N), M2, M3	

5.4 Piastre C.A.

5.4.1 Piastre C.A. di piano

***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Sp.**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [m]*
***Punti**: punti di definizione in pianta.*
***I.**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Mat.**: riferimento ad una definizione di calcestruzzo.*
***Car.sup.**: riferimento alla definizione di un carico superficiale. Accetta anche il valore "Nessuno".*
***Car.pot.**: riferimento alla definizione di un carico potenziale. Accetta anche il valore "Nessuno".*
***ΔT**: riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***P.sup.**: peso per unità di superficie. [kN/m²]*
***Fond.**: riferimento alla fondazione sottostante l'elemento.*
***Fori**: riferimenti a tutti gli elementi che forano la piastra.*

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	ΔT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
L1	0.4	1	3.683	1.329	0	C32/40				0	No	10		
		2	12.234	1.329										
		3	12.234	9.891										
		4	3.683	9.891										

5.5 Fondazioni di piastre

***Descrizione breve**: descrizione breve usata nelle tabelle dei capitoli delle piastre di fondazione.*
***Stratigrafia**: stratigrafia del terreno nel punto medio in pianta dell'elemento.*
***Sondaggio**: è possibile indicare esplicitamente un sondaggio definito nelle preferenze oppure richiedere di estrapolare il sondaggio dalla definizione del sito espressa nelle preferenze.*
***Estradosso**: distanza dalla quota superiore del sondaggio misurata in verticale con verso positivo verso l'alto. [m]*
***Deformazione volumetrica**: valore della deformazione volumetrica impiegato nel calcolo della pressione limite a rottura con la formula di Vesic. Il valore è adimensionale. Accetta anche il valore di default espresso nelle preferenze.*
***Angolo pendio**: angolo del pendio rispetto l'orizzontale; il valore deve essere positivo per opere in sommità di un pendio mentre deve essere negativo per opere al piede di un pendio. [deg]*

***K verticale**: coefficiente di sottofondo verticale del letto di molle. [kN/m³]*
***Limite compressione**: pressione limite di plasticizzazione a compressione del letto di molle. [kN/m²]*
***Limite trazione**: pressione limite di plasticizzazione a trazione del letto di molle. [kN/m²]*

Descrizione breve	Stratigrafia			Angolo pendio	K verticale	Limite compressione	Limite trazione
	Sondaggio	Estradosso	Deformazione volumetrica				
FS1	Piu' vicino in sito	0		0	10000	1000	0.1

5.6 Carichi superficiali

5.6.1 Carichi superficiali di piano

***Carico**: riferimento alla definizione di un carico di superficie.*
***Solaio**: caratteristiche dell'eventuale solaio.*
***Liv.**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punti**: punti di definizione in pianta.*
***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Angolo**: direzione delle nervature che trasmettono il carico.Angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Comp.**: descrizione sintetica del comportamento del carico superficiale o, nel caso di comportamento membranale, riferimento alla decrizione analitica della membrana.*
***Fori**: riferimenti a tutti gli elementi che forano il carico superficiale.*

Carico	Solaio	Liv.	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
1		L2	1	7.012	5.569	0	90	Nessuno	
			2	4.083	5.569				
			3	4.083	3.79				
			4	7.012	3.79				
1		L3	1	11.834	1.729	0	90	Nessuno	
			2	11.834	9.491				
			3	7.012	9.491				
			4	7.012	1.729				

6 Nodi

6.1 Nodi di definizione

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Posizione**: coordinate del nodo.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Z**: coordinata Z. [cm]*

Indice	Posizione		
	X	Y	Z
2	701.2	172.9	0
3	797.6	172.9	0
4	894	172.9	0
5	990.4	172.9	0
6	1086.8	172.9	0
7	1183.4	172.9	0
8	701.2	275.9	0
9	1183.4	275.9	0
10	408.3	379	0
11	701.2	379	0
12	1183.4	379	0
13	505.2	379.1	0
14	602.2	379.1	0
15	1183.4	470.7	0
16	408.3	556.9	0
17	701.2	556.9	0
18	1183.4	556.9	0
19	1183.4	654.5	0
20	699.6	750.5	0
21	1183.4	752.1	0
22	1183.4	850.6	0
23	701.2	949.1	0
24	1183.4	949.1	0
25	408.3	379	350
26	554.7	379	350
27	701.2	379	350
28	505.2	379.1	350
29	602.2	379.1	350
30	408.3	556.9	350
31	554.7	556.9	350
32	701.2	556.9	350

	X	Y	Z
33	701.2	172.9	450
34	797.6	172.9	450
35	894	172.9	450
36	942.3	172.9	450
37	990.4	172.9	450
38	1086.8	172.9	450
39	1183.4	172.9	450
40	701.2	275.9	450
41	1183.4	275.9	450
42	701.2	379	450
43	942.3	379	450
44	1183.4	379	450
45	1183.4	470.7	450
46	701.2	556.9	450
47	942.3	556.9	450
48	1183.4	556.9	450
49	1183.4	654.5	450
50	699.6	750.5	450
51	701.2	752.1	450
52	942.3	752.1	450
53	1183.4	752.1	450
54	1183.4	850.6	450
55	701.2	949.1	450
56	942.3	949.1	450
57	1183.4	949.1	450

7 Aste

7.1 Carichi su aste

7.1.1 Carichi trapezoidali locali

***Indice asta**: indice dell'asta a cui si riferisce il carico trapezoidale.*
***Condizione**: condizione elementare di carico a cui si riferisce il carico.*
***Posizione iniziale**: posizione iniziale del carico sull'asse locale 1. [m]*
***F1 iniziale**: componente del valore iniziale del carico lungo l'asse locale 1. [kN/m]*
***F2 iniziale**: componente del valore iniziale del carico lungo l'asse locale 2. [kN/m]*
***F3 iniziale**: componente del valore iniziale del carico lungo l'asse locale 3. [kN/m]*
***Posizione finale**: posizione finale del carico sull'asse locale 1. [m]*
***F1 finale**: componente del valore finale del carico lungo l'asse locale 1. [kN/m]*
***F2 finale**: componente del valore finale del carico lungo l'asse locale 2. [kN/m]*
***F3 finale**: componente del valore finale del carico lungo l'asse locale 3. [kN/m]*

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
2	Vento +Y	0	0	1.5	0	3.5	0	1.5	0
7	Vento +X	0	0	0.75	0	4.5	0	0.75	0
7	Vento +Y	0	0	0	-0.75	4.5	0	0	-0.75
10	Vento +X	0	0	1.5	0	4.5	0	1.5	0
11	Vento +X	0	0	1.5	0	4.5	0	1.5	0
12	Vento +X	0	0	1.5	0	4.5	0	1.5	0
13	Vento +X	0	0	1.5	0	4.5	0	1.5	0
14	Vento +X	0	0	0.75	0	4.5	0	0.75	0
14	Vento +Y	0	0	0	-0.75	4.5	0	0	-0.75
15	Pesi strutturali	0	0	-0.148	0	2.411	0	-0.148	0
15	Permanenti portati	0	0	-0.197	0	2.411	0	-0.197	0
15	Neve	0	0	-0.542	0	2.411	0	-0.542	0
15	Vento +X	0	0	1.478	0	2.411	0	1.478	0
16	Pesi strutturali	0	0	-0.148	0	2.411	0	-0.148	0
16	Permanenti portati	0	0	-0.197	0	2.411	0	-0.197	0
16	Neve	0	0	-0.542	0	2.411	0	-0.542	0
16	Vento +X	0	0	1.478	0	2.411	0	1.478	0
17	Pesi strutturali	0	0	-0.294	0	2.411	0	-0.294	0
17	Permanenti portati	0	0	-0.392	0	2.411	0	-0.392	0
17	Neve	0	0	-1.079	0	2.411	0	-1.079	0
17	Vento +X	0	0	2.942	0	2.411	0	2.942	0
18	Pesi strutturali	0	0	-0.294	0	2.411	0	-0.294	0
18	Permanenti portati	0	0	-0.392	0	2.411	0	-0.392	0
18	Neve	0	0	-1.079	0	2.411	0	-1.079	0
18	Vento +X	0	0	2.942	0	2.411	0	2.942	0
19	Pesi strutturali	0	0	-0.28	0	2.411	0	-0.28	0
19	Permanenti portati	0	0	-0.373	0	2.411	0	-0.373	0
19	Neve	0	0	-1.026	0	2.411	0	-1.026	0
19	Vento +X	0	0	2.798	0	2.411	0	2.798	0
20	Pesi strutturali	0	0	-0.28	0	2.411	0	-0.28	0
20	Permanenti portati	0	0	-0.373	0	2.411	0	-0.373	0
20	Neve	0	0	-1.026	0	2.411	0	-1.026	0
20	Vento +X	0	0	2.798	0	2.411	0	2.798	0
21	Pesi strutturali	0	0	-0.288	0	2.411	0	-0.288	0
21	Permanenti portati	0	0	-0.384	0	2.411	0	-0.384	0
21	Neve	0	0	-1.056	0	2.411	0	-1.056	0
21	Vento +X	0	0	2.88	0	2.411	0	2.88	0
22	Pesi strutturali	0	0	-0.288	0	2.411	0	-0.288	0
22	Permanenti portati	0	0	-0.384	0	2.411	0	-0.384	0
22	Neve	0	0	-1.056	0	2.411	0	-1.056	0
22	Vento +X	0	0	2.88	0	2.411	0	2.88	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
23	Pesi strutturali	0	0	-0.155	0	0.964	0	-0.155	0
23	Permanenti portati	0	0	-0.206	0	0.964	0	-0.206	0
23	Neve	0	0	-0.567	0	0.964	0	-0.567	0
23	Vento +X	0	0	1.546	0	0.964	0	1.546	0
24	Pesi strutturali	0	0	-0.155	0	0.964	0	-0.155	0
24	Permanenti portati	0	0	-0.206	0	0.964	0	-0.206	0
24	Neve	0	0	-0.567	0	0.964	0	-0.567	0
24	Vento +X	0	0	1.546	0	0.964	0	1.546	0
25	Pesi strutturali	0	0	-0.155	0	0.483	0	-0.155	0
25	Permanenti portati	0	0	-0.206	0	0.483	0	-0.206	0
25	Neve	0	0	-0.567	0	0.483	0	-0.567	0
25	Vento +X	0	0	1.546	0	0.483	0	1.546	0
26	Pesi strutturali	0	0	-0.155	0	0.481	0	-0.155	0
26	Permanenti portati	0	0	-0.206	0	0.481	0	-0.206	0
26	Neve	0	0	-0.567	0	0.481	0	-0.567	0
26	Vento +X	0	0	1.546	0	0.481	0	1.546	0
27	Pesi strutturali	0	0	-0.155	0	0.964	0	-0.155	0
27	Permanenti portati	0	0	-0.206	0	0.964	0	-0.206	0
27	Neve	0	0	-0.567	0	0.964	0	-0.567	0
27	Vento +X	0	0	1.546	0	0.964	0	1.546	0
28	Pesi strutturali	0	0	-0.155	0	0.967	0	-0.155	0
28	Permanenti portati	0	0	-0.206	0	0.967	0	-0.206	0
28	Neve	0	0	-0.567	0	0.967	0	-0.567	0
28	Vento +X	0	0	1.546	0	0.967	0	1.546	0
29	Pesi strutturali	0	0	-0.133	0	1.464	0	-0.133	0
29	Permanenti portati	0	0	-0.178	0	1.464	0	-0.178	0
29	Neve	0	0	-0.489	0	1.464	0	-0.489	0
29	Vento +X	0	0	1.334	0	1.464	0	1.334	0
30	Pesi strutturali	0	0	-0.133	0	1.464	0	-0.133	0
30	Permanenti portati	0	0	-0.178	0	1.464	0	-0.178	0
30	Neve	0	0	-0.489	0	1.464	0	-0.489	0
30	Vento +X	0	0	1.334	0	1.464	0	1.334	0
31	Pesi strutturali	0	0	-0.133	0	0.969	0	-0.133	0
31	Permanenti portati	0	0	-0.178	0	0.969	0	-0.178	0
31	Neve	0	0	-0.489	0	0.969	0	-0.489	0
31	Vento +X	0	0	1.334	0	0.969	0	1.334	0
32	Pesi strutturali	0	0	-0.133	0	0.495	0	-0.133	0
32	Permanenti portati	0	0	-0.178	0	0.495	0	-0.178	0
32	Neve	0	0	-0.489	0	0.495	0	-0.489	0
32	Vento +X	0	0	1.334	0	0.495	0	1.334	0
33	Pesi strutturali	0	0	-0.133	0	0.475	0	-0.133	0
33	Permanenti portati	0	0	-0.178	0	0.475	0	-0.178	0
33	Neve	0	0	-0.489	0	0.475	0	-0.489	0
33	Vento +X	0	0	1.334	0	0.475	0	1.334	0
34	Pesi strutturali	0	0	-0.133	0	0.989	0	-0.133	0
34	Permanenti portati	0	0	-0.178	0	0.989	0	-0.178	0
34	Neve	0	0	-0.489	0	0.989	0	-0.489	0
34	Vento +X	0	0	1.334	0	0.989	0	1.334	0
51	Vento +Y	0	0	1.5	0	4.5	0	1.5	0
52	Vento +Y	0	0	1.5	0	4.5	0	1.5	0
53	Vento +Y	0	0	1.5	0	4.5	0	1.5	0
54	Vento +Y	0	0	1.5	0	4.5	0	1.5	0
55	Vento +X	0	0	1.5	0	4.5	0	1.5	0
56	Vento +X	0	0	1.5	0	4.5	0	1.5	0
57	Vento +X	0	0	1.5	0	4.5	0	1.5	0
58	Vento +X	0	0	1.5	0	4.5	0	1.5	0
63	Vento +Y	0	0	1.5	0	3.5	0	1.5	0
64	Vento +Y	0	0	1.5	0	3.5	0	1.5	0

7.2 Caratteristiche meccaniche aste

I seguenti dati si riferiscono alle caratteristiche meccaniche delle aste utilizzate dal solutore ad elementi finiti. Normalmente differiscono dalle caratteristiche inerziali delle sezioni definite nel database. Tengono conto dei moltiplicatori inerziali espressi nelle preferenze FEM e di indicazioni tratte dalla bibliografia (SAP 90 Volume I Figura X-8; Belluzzi Vol. 1).

***I.**: numero dell'elemento nell'insieme che lo contiene.*
***Area**: area della sezione trasversale. [m²]*
***Area 2**: area di taglio per sforzo di taglio nella direzione 2. [m²]*
***Area 3**: area di taglio per sforzo di taglio nella direzione 3. [m²]*
***In.2**: momento d'inerzia attorno all'asse locale 2. [m4]*
***In.3**: momento d'inerzia attorno all'asse locale 3. [m4]*
***In.tors.**: momento d'inerzia torsionale corretto con il fattore di torsione. [m4]*
***E**: modulo di elasticità longitudinale. [kN/m²]*
***G**: modulo di elasticità tangenziale. [kN/m²]*
***α**: coefficiente di dilatazione termica longitudinale. [°C-1]*
***P.unit.**: peso per unità di lunghezza dell'elemento. [kN/m]*
***S.fibre**: caratteristiche della sezione a fibre.*
***Sez.corr.**: sezione degli elementi correlati.*
***Desc.**: descrizione o nome assegnato all'elemento.*
***Mat.corr.**: materiale degli elementi correlati.*
***Desc.**: descrizione o nome assegnato all'elemento.*

I.	Area	Area 2	Area 3	In.2	In.3	In.tors.	E	G	α	P.unit.	S.fibre	Sez.corr.	Mat.corr.
												Desc.	Desc.
1	0.0045	0.001	0.0028	9.25E-06	2.51E-05	1.14E-07	2.10E08	80769231	0.000012	0.356		HEA180_1	S235_1
2	0.0039	0.0014	0.002	2.84E-06	3.90E-05	9.28E-08	2.10E08	80769231	0.000012	0.307		IPE240	S355
3	0.0018	0.0013	0.0006	2.04E-06	5.98E-06	4.94E-06	2.10E08	80769231	0.000012	0.142		EN10219 160x80x4	S235_1
4	0.002	0.0008	0.001	6.83E-07	8.70E-06	2.82E-08	2.10E08	80769231	0.000012	0.158		IPE160_1	S355

7.3 Definizioni aste

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Nodo I**: nodo iniziale.*
***Nodo J**: nodo finale.*
***Nodo K**: nodo che definisce l'asse locale 2.*
***Sezione**: caratteristiche inerziali-meccaniche della sezione.*
***Indice**: numero dell'elemento nell'insieme che lo contiene.*

Indice	Nodo I	Nodo J	Nodo K	Sezione
				Indice
1	16	30	59	1
2	10	25	59	1
3	17	32	68	1
4	32	46	68	1
5	11	27	65	1
6	27	42	65	1
7	2	33	61	1
8	20	50	71	1
9	23	55	74	1
10	24	57	75	1
11	21	53	72	1
12	18	48	69	1
13	12	44	66	1
14	7	39	62	1
15	55	56	60	2
16	56	57	60	2
17	51	52	60	2
18	52	53	60	2
19	46	47	60	2
20	47	48	60	2
21	42	43	60	2
22	43	44	60	2
23	33	34	60	2
24	34	35	60	2
25	35	36	60	2
26	36	37	60	2
27	37	38	60	2
28	38	39	60	2
29	30	31	60	2
30	31	32	60	2
31	25	28	60	2
32	28	26	60	2
33	26	29	60	2
34	29	27	60	2
35	25	30	60	2
36	27	32	60	2
37	33	40	60	2
38	40	42	60	2
39	42	46	60	2
40	46	51	60	2
41	51	55	60	2
42	39	41	60	2
43	41	44	60	2
44	44	45	60	2
45	45	48	60	2
46	48	49	60	2
47	49	53	60	2
48	53	54	60	2
49	54	57	60	2
50	8	40	63	3
51	3	34	59	3
52	4	35	59	3
53	5	37	59	3
54	6	38	59	3
55	9	41	64	3
56	15	45	67	3
57	19	49	70	3
58	22	54	73	3
59	36	43	60	4
60	43	47	60	4
61	47	52	60	4
62	52	56	60	4
63	14	29	59	3
64	13	28	59	3
65	31	26	60	4

8 Bielle

8.1 Caratteristiche meccaniche bielle

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Area**: area della sezione trasversale. [m²]*
***Rigidezza**: caratteristiche rigidezza di una sezione di biella.*
***α**: coefficiente di dilatazione termica longitudinale. [°C-1]*

***Peso unitario**: peso per unità di lunghezza dell'asta. [kN/m]*

Indice	Area	Rigidezza	α	Peso unitario
1	0.0005	2100000; 0; 1000000000000000000	0.000012	0.038

8.2 Definizioni bielle

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Nodo I**: nodo iniziale.*
***Nodo J**: nodo finale.*
***Sezione**: caratteristiche inerziali-meccaniche della sezione.*
***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Tronco rigido iniziale**: ampiezza del tronco rigido iniziale. [m]*
***Tronco rigido finale**: ampiezza del tronco rigido finale. [m]*
***Variazione termica**: variazione termica a cui è soggetto l'elemento. [°C]*

Indice	Nodo I	Nodo J	Sezione	Tronco rigido iniziale	Tronco rigido finale	Variazione termica
			Indice			
1	42	36	1	0.086	0	0
2	36	44	1	0	0.086	0
3	33	43	1	0.086	0	0
4	43	39	1	0	0.086	0

9 Reazioni nodali estreme

***Nodo**: Nodo sollecitato dalla reazione vincolare.*
***Ind.**: indice del nodo.*
***Cont.**: Contesto a cui si riferisce la reazione vincolare.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Reazione a traslazione**: reazione vincolare traslazionale del nodo.*
***x**: componente X della reazione vincolare del nodo. [kN]*
***y**: componente Y della reazione vincolare del nodo. [kN]*
***z**: componente Z della reazione vincolare del nodo. [kN]*
***Reazione a rotazione**: reazione vincolare rotazionale del nodo.*
***x**: componente X della reazione a rotazione del nodo. [kN·m]*
***y**: componente Y della reazione a rotazione del nodo. [kN·m]*
***z**: componente Z della reazione a rotazione del nodo. [kN·m]*

Reazioni Fx minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
17	SLV 13	-5.26	1.72	6.59	-3.1213	-10.3839	0.0014
11	SLV 15	-5.02	-1.53	5.61	2.7868	-9.8657	-0.001
21	SLV 13	-3.66	0.99	7.01	-2.2641	-9.1725	0.0001
7	SLV 15	-3.34	-1	4.51	2.3288	-8.0591	-0.0001
24	SLV 13	-3.33	0.94	4.37	-2.1761	-8.0403	-0.0014

Reazioni Fx massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
21	SLU 3	11.38	-0.01	-8.09	0.0256	17.9761	-0.001
24	SLU 3	10.4	-0.01	-4.92	0.0263	15.9183	0.0027
18	SLU 3	10.21	-0.01	-7.89	0.03	14.8687	-0.002
12	SLU 3	9.82	-0.02	-7.39	0.0356	13.9053	0.0003
7	SLU 3	6.42	-0.01	-4.1	0.0294	10.7648	-0.0013

Reazioni Fy minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
10	SLU 2	-0.12	-8.92	-5.41	11.4073	-0.2501	-0.0048
11	SLV 7	0.81	-5.46	-3.36	9.8505	1.7883	-0.0042
17	SLV 7	3.07	-5.41	18.47	9.8588	5.7894	-0.0041
7	SLU 12	-0.62	-5.07	1.85	7.7247	-1.0483	0.0026
2	SLU 2	0.08	-5.07	0.55	7.7121	-0.0652	-0.0023

Reazioni Fy massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
17	SLV 9	-2.5	5.53	-1.47	-9.9614	-4.7244	0.004
11	SLV 9	-0.29	5.48	14.45	-9.9629	-0.907	0.0041
12	SLV 5	0.6	3.45	2.75	-7.8263	2.0282	0.0013
21	SLV 5	0.23	3.43	7.07	-7.8126	1.3121	-0.0004
18	SLV 5	0.26	3.41	3.52	-7.7748	0.9597	0.0002

Reazioni Fz minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
17	SLU 3	4.67	-0.13	-15.76	0.2197	9.7608	-0.0007
11	SLU 3	4.14	-0.14	-9.33	0.2364	8.6484	-0.0007
21	SLU 3	11.38	-0.01	-8.09	0.0256	17.9761	-0.001
18	SLU 3	10.21	-0.01	-7.89	0.03	14.8687	-0.002
12	SLU 3	9.82	-0.02	-7.39	0.0356	13.9053	0.0003

Reazioni Fz massime

Vengono mostrati i soli 5 nodi più sollecitati.

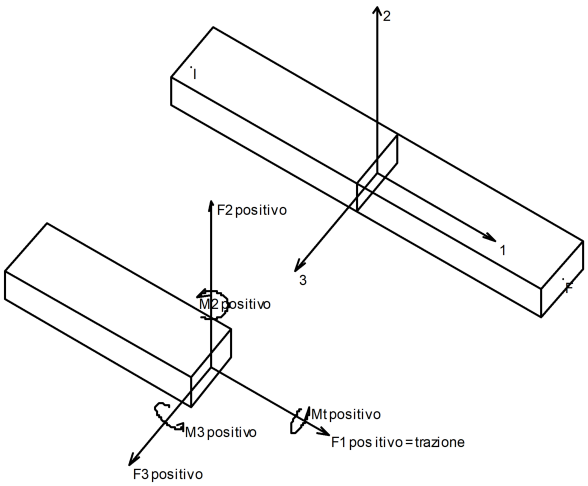
Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
17	SLU 31	1.32	-2.9	24.79	5.2985	2.3402	-0.0012
11	SLV 9	-0.29	5.48	14.45	-9.9629	-0.907	0.0041
16	SLU 28	0.57	-4.59	11.47	8.6706	0.9936	-0.0042
23	SLU 31	0.94	-1.65	11.02	3.6878	1.6868	0.0004
21	SLU 30	-1.11	-0.01	11.02	0.0267	-1.1278	-0.0001

10 Sollecitazioni aste

10.1 Convenzioni di segno aste

Le abbreviazioni relative alle sollecitazioni sugli elementi aste sono da intendersi:

- F1 (N): sforzo normale nell'asta;
- F2: sforzo di taglio agente nella direzione dell'asse locale 2;
- F3: sforzo di taglio agente nella direzione dell'asse locale 3;
- M1 (Mt): momento attorno all'asse locale 1; equivale al momento torcente;
- M2: momento attorno all'asse locale 2;
- M3: momento attorno all'asse locale 3.



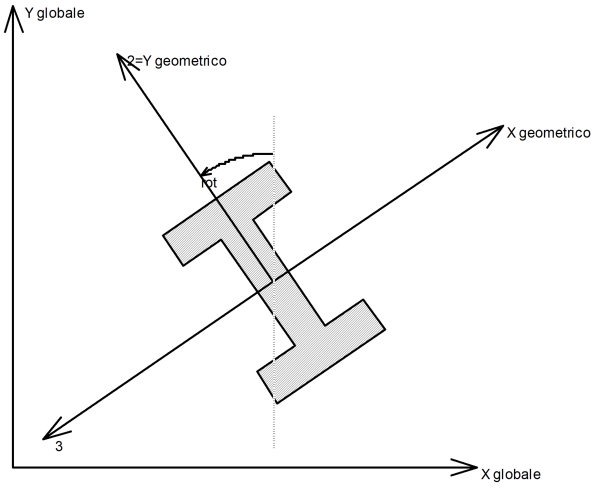
La convenzione sui segni per i parametri di sollecitazione delle aste è la seguente:
presa un'asta con nodo iniziale i e nodo finale f, asse 1 che va da i a f, assi 2 e 3 presi secondo quanto indicato nei paragrafi successivi relativi al sistema locale delle aste sezionando l'asta in un punto e considerando la sezione sinistra del punto in cui si è effettuato il taglio (sezione da cui esce il versore asse 1) i parametri di sollecitazione sono positivi se hanno verso e direzione concordi con il sistema di riferimento locale dell'asta 1, 2, 3 (per i momenti si adotta la regola della mano destra).

Il sistema è definito diversamente per tre categorie di aste, a seconda che siano originate da:

- aste verticali ad esempio pilastri e colonne;
- aste non verticali non di c.a., ad esempio travi di acciaio o legno;
- aste non verticali in c.a.: travi in c.a. di piano, falda o a quota generica.

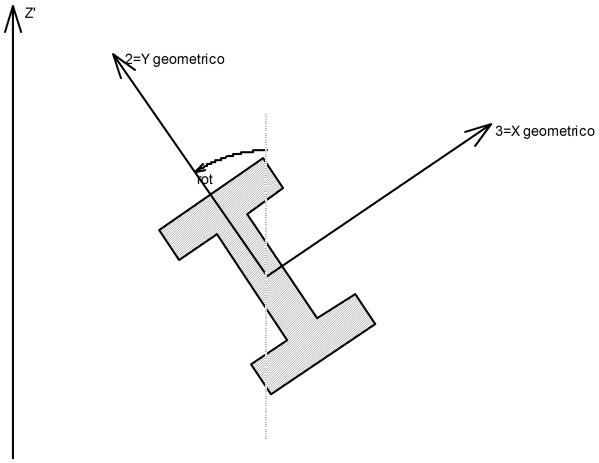
Nel seguito si indica con 1, 2 e 3 il sistema locale dell'asta che non sempre coincide con gli assi principali della sezione. Si ricorda che per assi principali si intendono gli assi rispetto a cui si ha il raggio di inerzia minimo e massimo. Gli assi 1, 2 e 3 rispettano la regola della mano destra.

Sistema locale aste verticali



Nella figura si considera l'asse 1 uscente dal foglio (l'osservatore guarda in direzione opposta a quella dell'asse 1).

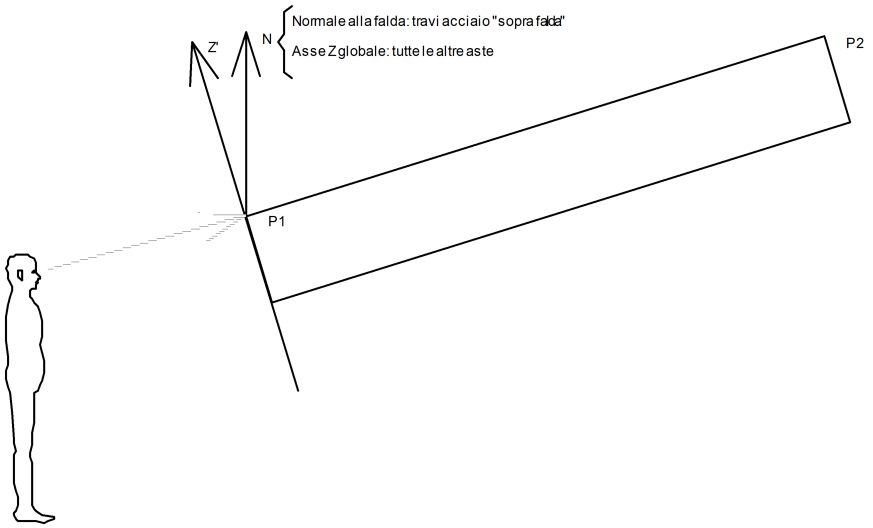
Sistema locale aste non verticali



Nella figura si considera l'asse 1 entrante nel foglio (l'osservatore guarda in direzione coincidente a quella dell'asse 1).

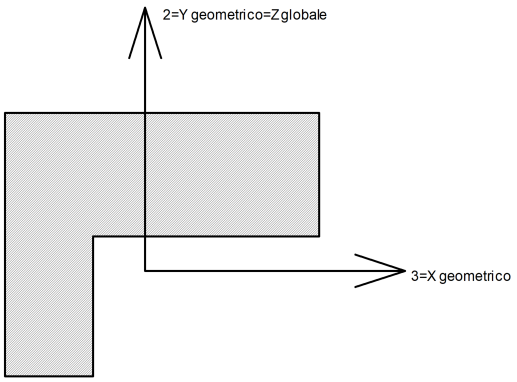
L'asse Z' è illustrato nella figura seguente dove:

- P1 è il punto di inserimento iniziale dell'asta;
- P2 è il punto di inserimento finale dell'asta;
- N è la normale al piano o falda di inserimento;



Z' è quindi l'intersezione tra il piano passante per P1, P2 contenente N e il piano della sezione iniziale dell'asta.

Sistema locale aste derivanti da travi in c.a.



Nella figura si considera l'asse 1 entrante nel foglio (l'osservatore guarda in direzione coincidente a quella dell'asse 1). L'asse 2 è sempre verticale e quindi coincidente con l'asse Z globale nonché con l'asse y geometrico. L'asse 3 coincide con l'asse x geometrico. . Si sottolinea il fatto che gli assi 2 e 3 non corrispondono agli assi principali della sezione.

10.2 Sollecitazioni estreme aste

***Asta**: elemento asta a cui si riferiscono le sollecitazioni.*
***Ind.**: indice dell'asta.*
***Cont.**: contesto a cui si riferisce la sollecitazione*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Pos.**: numero della sezione all'interno dell'asta (tra 1 e 31, dove 1 corrisponde alla sezione al nodo iniziale, 16 è la sezione in mezzeria, 31 corrisponde alla sezione al nodo finale).*
***Posizione**: posizione a cui si riferisce la sollecitazione dell'asta.*
***X**: componente X della posizione a cui si riferisce la sollecitazione dell'asta. [m]*
***Y**: componente Y della posizione a cui si riferisce la sollecitazione dell'asta. [m]*
***Z**: componente Z della posizione a cui si riferisce la sollecitazione dell'asta. [m]*
***Soll.traslazionale**: componente traslazionale della sollecitazione dell'asta.*
***F1**: componente F1 della sollecitazione dell'asta. [kN]*
***F2**: componente F2 della sollecitazione dell'asta. [kN]*
***F3**: componente F3 della sollecitazione dell'asta. [kN]*
***Soll.rotazionale**: componente rotazionale della sollecitazione dell'asta.*
***M1**: componente M1 della sollecitazione dell'asta. [kN·m]*
***M2**: componente M2 della sollecitazione dell'asta. [kN·m]*
***M3**: componente M3 della sollecitazione dell'asta. [kN·m]*

Sollecitazioni con sforzo normale (N) minimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione	Soll.traslazionale	Soll.rotazionale

Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
3	SLU 31	1	7.01	5.57	0	-24.79	1.32	-2.9	0.0012	5.2985	2.3402
4	SLU 30	1	7.01	5.57	3.5	-14.96	1.48	1.03	0.0016	-0.0822	-2.5897
5	SLV 9	1	7.01	3.79	0	-14.45	-0.29	5.48	-0.0041	-9.9629	-0.907
59	SLU 18	1	9.42	1.73	4.5	-13.57	-0.21	0	0	0	0
1	SLU 28	1	4.08	5.57	0	-11.47	4.59	0.57	0.0042	-0.9936	8.6706

Sollecitazioni con sforzo normale (N) massimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
3	SLU 3	31	7.01	5.57	3.5	17	4.67	-0.13	0.0007	-0.2196	-6.4868
5	SLU 3	31	7.01	3.79	3.5	10.57	4.14	-0.14	0.0007	-0.255	-5.7784
4	SLU 3	31	7.01	5.57	4.5	9.94	7.78	-0.69	0.0062	-0.6431	-2.0075
11	SLU 3	31	11.83	7.52	4.5	9.69	1.25	-0.01	0.001	-0.0213	-10.3666
12	SLU 3	31	11.83	5.57	4.5	9.49	0.08	-0.01	0.002	-0.0295	-8.233

Sollecitazioni con momento M2 minimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
5	SLV 9	1	7.01	3.79	0	-14.45	-0.29	5.48	-0.0041	-9.9629	-0.907
3	SLV 9	1	7.01	5.57	0	1.47	-2.5	5.53	-0.004	-9.9614	-4.7244
13	SLV 5	1	11.83	3.79	0	-2.75	0.6	3.45	-0.0013	-7.8263	2.0282
11	SLV 5	1	11.83	7.52	0	-7.07	0.23	3.43	0.0004	-7.8126	1.3121
12	SLV 5	1	11.83	5.57	0	-3.52	0.26	3.41	-0.0002	-7.7748	0.9597

Sollecitazioni con momento M2 massimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
3	SLV 7	1	7.01	5.57	0	-18.47	3.07	-5.41	0.0041	9.8588	5.7894
5	SLV 7	1	7.01	3.79	0	3.36	0.81	-5.46	0.0042	9.8505	1.7883
13	SLV 11	1	11.83	3.79	0	-6.86	-1.32	-3.44	0.0013	7.8478	-3.0053
11	SLV 11	1	11.83	7.52	0	-3.05	-1.01	-3.45	-0.0003	7.8407	-2.1061
12	SLV 11	1	11.83	5.57	0	-5.58	-0.86	-3.41	0.0005	7.7931	-1.6953

Sollecitazioni con momento M3 minimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
36	SLV 9	1	7.01	3.79	3.5	-0.34	-12.63	-1.54	-0.0001	1.3818	-10.9807
3	SLV 13	1	7.01	5.57	0	-6.59	-5.26	1.72	-0.0014	-3.1213	-10.3839
11	SLU 3	31	11.83	7.52	4.5	9.69	1.25	-0.01	0.001	-0.0213	-10.3666
5	SLV 15	1	7.01	3.79	0	-5.61	-5.02	-1.53	0.001	2.7868	-9.8657
30	SLV 13	31	7.01	5.57	3.5	0.45	5.64	0.18	0.0003	0.3737	-9.0943

Sollecitazioni con momento M3 massimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
11	SLU 3	1	11.83	7.52	0	8.09	11.38	-0.01	0.001	0.0256	17.9761
10	SLU 3	1	11.83	9.49	0	4.92	10.4	-0.01	-0.0027	0.0263	15.9183
12	SLU 3	1	11.83	5.57	0	7.89	10.21	-0.01	0.002	0.03	14.8687
13	SLU 3	1	11.83	3.79	0	7.39	9.82	-0.02	-0.0003	0.0356	13.9053
30	SLU 3	31	7.01	5.57	3.5	-2.92	-7.81	0.12	0	0.1744	12.2473

6. LUCERNARIO COPERTURA

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1 Materiali

1.1 Acciai

1.1.1 Proprietà acciai EC3/DM08/DM18

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy(s<=40 mm)**: resistenza di snervamento fy per spessori <=40 mm. [kN/m²]*
***fy(s>40 mm)**: resistenza di snervamento fy per spessori >40 mm. [kN/m²]*
***fu(s<=40 mm)**: resistenza di rottura per trazione fu per spessori <=40 mm. [kN/m²]*
***fu(s>40 mm)**: resistenza di rottura per trazione fu per spessori >40 mm. [kN/m²]*

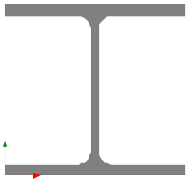
Descrizione	Tipo	fy(s<=40 mm)	fy(s>40 mm)	fu(s<=40 mm)	fu(s>40 mm)
S355	S355	355000	335000	510000	470000

2 Sezioni

2.1 Sezioni in acciaio

2.1.1 Profili singoli in acciaio

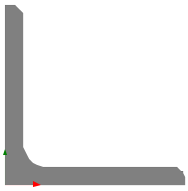
2.1.1.1 HEA - HEM - HEB - IPE



***Descrizione**: descrizione o nome assegnato all'elemento.*
***Fonte**: origine dei dati dell'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***b**: larghezza dell'ala. [mm]*
***h**: altezza del profilo. [mm]*
***s**: spessore dell'anima. [mm]*
***t**: spessore delle ali. [mm]*
***r**: raggio del raccordo ala-anima. [mm]*
***f**: truschino. [mm]*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	t	r	f	Sup.
HEA140		1983	685	1.03E7	3893397	63752	140	133	5.5	8.5	12	74	794.3
HEA180	Concrete ITA	2850	969	2.51E7	9246467	113829	180	171	6	9.5	15	99	1024.1

2.1.1.2 Profili a L



***Descrizione**: descrizione o nome assegnato all'elemento.*
***Fonte**: origine dei dati dell'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*

***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***b**: larghezza dell'ala. [mm]*
***h**: altezza. [mm]*
***s**: spessore. [mm]*
***r**: raggio del raccordo ala-anima. [mm]*
***r1**: raggio dello smusso dell'ala e dell'anima. [mm]*
***f**: truschino ala. [mm]*
***f1**: truschino anima. [mm]*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	r	r1	f	f1	Sup.
L60*6		360	360	227795	227795	8208	60	60	6	8	4	35	35	233.1

2.1.2 Caratteristiche inerziali sezioni in acciaio

2.1.2.1 Caratteristiche inerziali principali sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Xg**: coordinata X del baricentro. [cm]*
***Yg**: coordinata Y del baricentro. [cm]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***Jxy**: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [cm4]*
***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [cm4]*
***Jn**: momento d'inerzia attorno all'asse baricentrico principale N. [cm4]*
***α X su M**: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]*
***Jt**: momento d'inerzia torsionale corretto con il fattore di forma. [cm4]*

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α X su M	Jt
HEA140	7	6.65	31.45	1033.97	389.34	0	1033.97	389.34	0	6.38
HEA180	9	8.55	45.3	2512.55	924.65	0	2512.55	924.65	0	11.38
L60*6	1.69	1.69	6.91	22.78	22.78	-13.34	36.12	9.44	45	0.82

2.1.2.2 Caratteristiche inerziali momenti sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***ix**: raggio di inerzia relativo all'asse x. [cm]*
***iy**: raggio di inerzia relativo all'asse y. [cm]*
***im**: raggio di inerzia relativo all'asse principale m. [cm]*
***in**: raggio di inerzia relativo all'asse principale n. [cm]*
***Sx**: momento statico relativo all'asse x. [cm³]*
***Sy**: momento statico relativo all'asse y. [cm³]*
***Wx**: modulo di resistenza elastico minimo relativo all'asse x. [cm³]*
***Wy**: modulo di resistenza elastico minimo relativo all'asse y. [cm³]*
***Wm**: modulo di resistenza elastico minimo relativo all'asse principale m. [cm³]*
***Wn**: modulo di resistenza elastico minimo relativo all'asse principale n. [cm³]*
***Wplx**: modulo di resistenza plastico relativo all'asse x. [cm³]*
***Wply**: modulo di resistenza plastico relativo all'asse y. [cm³]*

Descrizione	ix	iy	im	in	Sx	Sy	Wx	Wy	Wm	Wn	Wplx	Wply
HEA140	5.73	3.52	5.73	3.52	86.83	42.43	155.48	55.62	155.48	55.62	173.65	84.87
HEA180	7.45	4.52	7.45	4.52	162.59	78.27	293.87	102.74	293.87	102.74	325.17	156.53
L60*6	1.82	1.82	2.29	1.17	5.43	5.43	5.28	5.28	8.51	3.96	9.65	9.65

2.1.2.3 Caratteristiche inerziali taglio sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Atx**: area a taglio lungo x. [cm²]*
***Aty**: area a taglio lungo y. [cm²]*

Descrizione	Atx	Aty
HEA140	23.8	7.32
HEA180	34.2	10.26
L60*6	3.6	3.6

3 Azioni e carichi

3.1 Condizioni elementari di carico

***Descrizione**: nome assegnato alla condizione elementare.*
***Nome breve**: nome breve assegnato alla condizione elementare.*
***Durata**: descrive la durata della condizione (necessario per strutture in legno).*
***ψ0**: coefficiente moltiplicatore ψ0. Il valore è adimensionale.*
***ψ1**: coefficiente moltiplicatore ψ1. Il valore è adimensionale.*
***ψ2**: coefficiente moltiplicatore ψ2. Il valore è adimensionale.*

***Con segno**: descrive se la condizione elementare ha la possibilità di variare di segno.*

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Pesi strutturali	Pesi	Permanente				
Permanenti portati	Port.	Permanente				
Neve	Neve	Media	0.5	0.2	0	
ΔT	ΔT	Media	0.6	0.5	0	No
Sisma X SLV	SLV X					
Sisma Y SLV	SLV Y					
Sisma Z SLV	SLV Z					
Eccentricità Y per sisma X SLV	EySx SLV					
Eccentricità X per sisma Y SLV	ExSy SLV					
Sisma X SLD	SLD X					
Sisma Y SLD	SLD Y					
Sisma Z SLD	SLD Z					
Eccentricità Y per sisma X SLD	EySx SLD					
Eccentricità X per sisma Y SLD	ExSy SLD					
Sisma X SLO	SLO X					
Sisma Y SLO	SLO Y					
Sisma Z SLO	SLO Z					
Eccentricità Y per sisma X SLO	EySx SLO					
Eccentricità X per sisma Y SLO	ExSy SLO					
Rig Ux	Rig Ux					
Rig Uy	Rig Uy					
Rig Rz	Rig Rz					

3.2 Combinazioni di carico

***Nome**: E' il nome esteso che contraddistingue la condizione elementare di carico.*
***Nome breve**: E' il nome compatto della condizione elementare di carico, che viene utilizzato altrove nella relazione.*
***Pesi**: Pesi strutturali*
***Port.**: Permanenti portati*
***Neve**: Neve*
***ΔT**: ΔT*
***SLO X**: Sisma X SLO*
***SLO Y**: Sisma Y SLO*
***SLO Z**: Sisma Z SLO*
***EySx SLO**: Eccentricità Y per sisma X SLO*
***ExSy SLO**: Eccentricità X per sisma Y SLO*
***SLD X**: Sisma X SLD*
***SLD Y**: Sisma Y SLD*
***SLD Z**: Sisma Z SLD*
***EySx SLD**: Eccentricità Y per sisma X SLD*
***ExSy SLD**: Eccentricità X per sisma Y SLD*
***SLV X**: Sisma X SLV*
***SLV Y**: Sisma Y SLV*
***SLV Z**: Sisma Z SLV*
***EySx SLV**: Eccentricità Y per sisma X SLV*
***ExSy SLV**: Eccentricità X per sisma Y SLV*
***Rig Ux**: Rig Ux*
***Rig Uy**: Rig Uy*
***Rig Rz**: Rig Rz*
Tutte le combinazioni di carico vengono raggruppate per famiglia di appartenenza. Le celle di una riga contengono i coefficienti moltiplicatori della i-esima combinazione, dove il valore della prima cella è da intendersi come moltiplicatore associato alla prima condizione elementare, la seconda cella si riferisce alla seconda condizione elementare e così via.

Famiglia SLU

Il nome compatto della famiglia è SLU.

Nome	Nome breve	Pesi	Port.	Neve	ΔT
1	**SLU 1**	1	0.8	0	0
2	**SLU 2**	1	0.8	1.5	0
3	**SLU 3**	1	1.5	0	0
4	**SLU 4**	1	1.5	1.5	0
5	**SLU 5**	1.3	0.8	0	0
6	**SLU 6**	1.3	0.8	1.5	0
7	**SLU 7**	1.3	1.5	0	0
8	**SLU 8**	1.3	1.5	1.5	0

Famiglia SLE rara

Il nome compatto della famiglia è SLE RA.

Nome	Nome breve	Pesi	Port.	Neve	ΔT
1	**SLE RA 1**	1	1	0	0
2	**SLE RA 2**	1	1	1	0

Famiglia SLE frequente

Il nome compatto della famiglia è SLE FR.

Nome	Nome breve	Pesi	Port.	Neve	ΔT
1	**SLE FR 1**	1	1	0	0
2	**SLE FR 2**	1	1	0.2	0

Famiglia SLE quasi permanente

Il nome compatto della famiglia è SLE QP.

Nome	Nome breve	Pesi	Port.	Neve	ΔT
1	**SLE QP 1**	1	1	0	0

Famiglia SLU eccezionale

Il nome compatto della famiglia è SLU EX.

Nome	Nome breve	Pesi	Port.	Neve	ΔT

Famiglia SLO

Il nome compatto della famiglia è SLO.

Nome	Nome breve	Pesi	Port.	Neve	ΔT	SLO X	SLO Y	SLO Z	EySx SLO	ExSy SLO
1	SLO 1	1	1	0	0	-1	-0.3	0	-1	0.3
2	SLO 2	1	1	0	0	-1	-0.3	0	1	-0.3
3	SLO 3	1	1	0	0	-1	0.3	0	-1	0.3
4	SLO 4	1	1	0	0	-1	0.3	0	1	-0.3
5	SLO 5	1	1	0	0	-0.3	-1	0	-0.3	1
6	SLO 6	1	1	0	0	-0.3	-1	0	0.3	-1
7	SLO 7	1	1	0	0	-0.3	1	0	-0.3	1
8	SLO 8	1	1	0	0	-0.3	1	0	0.3	-1
9	SLO 9	1	1	0	0	0.3	-1	0	-0.3	1
10	SLO 10	1	1	0	0	0.3	-1	0	0.3	-1
11	SLO 11	1	1	0	0	0.3	1	0	-0.3	1
12	SLO 12	1	1	0	0	0.3	1	0	0.3	-1
13	SLO 13	1	1	0	0	1	-0.3	0	-1	0.3
14	SLO 14	1	1	0	0	1	-0.3	0	1	-0.3
15	SLO 15	1	1	0	0	1	0.3	0	-1	0.3
16	SLO 16	1	1	0	0	1	0.3	0	1	-0.3

Famiglia SLD

Il nome compatto della famiglia è SLD.

Nome	Nome breve	Pesi	Port.	Neve	ΔT	SLD X	SLD Y	SLD Z	EySx SLD	ExSy SLD
1	SLD 1	1	1	0	0	-1	-0.3	0	-1	0.3
2	SLD 2	1	1	0	0	-1	-0.3	0	1	-0.3
3	SLD 3	1	1	0	0	-1	0.3	0	-1	0.3
4	SLD 4	1	1	0	0	-1	0.3	0	1	-0.3
5	SLD 5	1	1	0	0	-0.3	-1	0	-0.3	1
6	SLD 6	1	1	0	0	-0.3	-1	0	0.3	-1
7	SLD 7	1	1	0	0	-0.3	1	0	-0.3	1
8	SLD 8	1	1	0	0	-0.3	1	0	0.3	-1
9	SLD 9	1	1	0	0	0.3	-1	0	-0.3	1
10	SLD 10	1	1	0	0	0.3	-1	0	0.3	-1
11	SLD 11	1	1	0	0	0.3	1	0	-0.3	1
12	SLD 12	1	1	0	0	0.3	1	0	0.3	-1
13	SLD 13	1	1	0	0	1	-0.3	0	-1	0.3
14	SLD 14	1	1	0	0	1	-0.3	0	1	-0.3
15	SLD 15	1	1	0	0	1	0.3	0	-1	0.3
16	SLD 16	1	1	0	0	1	0.3	0	1	-0.3

Famiglia SLV

Il nome compatto della famiglia è SLV.

Nome	Nome breve	Pesi	Port.	Neve	ΔT	SLV X	SLV Y	SLV Z	EySx SLV	ExSy SLV
1	SLV 1	1	1	0	0	-1	-0.3	0	-1	0.3
2	SLV 2	1	1	0	0	-1	-0.3	0	1	-0.3
3	SLV 3	1	1	0	0	-1	0.3	0	-1	0.3
4	SLV 4	1	1	0	0	-1	0.3	0	1	-0.3
5	SLV 5	1	1	0	0	-0.3	-1	0	-0.3	1
6	SLV 6	1	1	0	0	-0.3	-1	0	0.3	-1
7	SLV 7	1	1	0	0	-0.3	1	0	-0.3	1
8	SLV 8	1	1	0	0	-0.3	1	0	0.3	-1
9	SLV 9	1	1	0	0	0.3	-1	0	-0.3	1
10	SLV 10	1	1	0	0	0.3	-1	0	0.3	-1
11	SLV 11	1	1	0	0	0.3	1	0	-0.3	1
12	SLV 12	1	1	0	0	0.3	1	0	0.3	-1
13	SLV 13	1	1	0	0	1	-0.3	0	-1	0.3
14	SLV 14	1	1	0	0	1	-0.3	0	1	-0.3
15	SLV 15	1	1	0	0	1	0.3	0	-1	0.3
16	SLV 16	1	1	0	0	1	0.3	0	1	-0.3

Famiglia Calcolo rigidezza torsionale/flessionale di piano

Il nome compatto della famiglia è CRTFP.

Nome	Nome breve	Rig Ux	Rig Uy	Rig Rz
Rig. Ux+	CRTFP Ux+	1	0	0
Rig. Ux-	CRTFP Ux-	-1	0	0
Rig. Uy+	CRTFP Uy+	0	1	0
Rig. Uy-	CRTFP Uy-	0	-1	0
Rig. Rz+	CRTFP Rz+	0	0	1
Rig. Rz-	CRTFP Rz-	0	0	-1

Famiglia P-Delta

Il nome compatto della famiglia è PTH.

Nome	Nome breve	Pesi	Port.	Neve	ΔT
Unica per metodo P-Delta	Pd	1	1	1	0

3.3 Definizioni di carichi superficiali

***Nome**: nome identificativo della definizione di carico.*

***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Valore**: valore del carico per unità di superficie, nel caso il tipo sia "Verticale", "Verticale in proiezione", "Normale alla superficie". [kN/m²]*
***Cp vento**: valore del coefficiente di pressione Cp, nel caso il tipo sia "Cp vento". Il valore è adimensionale.*
***Tipo**: tipo di carico.*

Nome	Valori			
	Condizione	Valore	Cp vento	Tipo
	Descrizione			
1	Pesi strutturali	0.2		Verticale
	Permanenti portati	0.8		Verticale
	Neve	0.55		Verticale

4 Quote

4.1 Livelli

***Descrizione breve**: nome sintetico assegnato al livello.*
***Descrizione**: nome assegnato al livello.*
***Quota**: quota superiore espressa nel sistema di riferimento assoluto. [m]*
***Spessore**: spessore del livello. [m]*

Descrizione breve	Descrizione	Quota	Spessore
L1	Copertura	0	0
L2	Gronda	1	0
L3	Colmo	1.8	0

4.2 Falde

***Descrizione breve**: nome sintetico assegnato alla falda.*
***Descrizione**: nome assegnato alla falda.*
***Sp.**: spessore del piano della falda. [m]*
***Primo punto**: primo punto di definizione del piano dell'estradosso della falda.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Quota**: quota. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Secondo punto**: secondo punto di definizione del piano dell'estradosso della falda.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Quota**: quota. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Terzo punto**: terzo punto di definizione del piano dell'estradosso della falda.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Quota**: quota. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*

Descrizione breve	Descrizione	Sp.	Primo punto			Secondo punto			Terzo punto		
			X	Y	Quota	X	Y	Quota	X	Y	Quota
F1	Falda 1	0	0	8.6	Gronda	0	0	Colmo	2	0	Colmo

4.3 Tronchi

***Descrizione breve**: nome sintetico assegnato al tronco.*
***Descrizione**: nome assegnato al tronco.*
***Quota 1**: riferimento della prima quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Quota 2**: riferimento della seconda quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*

Descrizione breve	Descrizione	Quota 1	Quota 2
T1	Fondazione - Falda 1	Copertura	Falda 1

5 Elementi di input

5.1 Travi in acciaio

5.1.1 Travi in acciaio di falda

***Sezione**: sezione in acciaio.*

***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Fal.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Sopraf.**: posizionamento sopra falda della trave di falda.*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [kN/m]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Fal.	Punto i.		Punto f.		Estr.	Sopra f.	Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
			X	Y	X	Y											
HEA180	C	F1	0	0.4	0	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	24	0.4	24	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	26	0.4	26	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	28	0.4	28	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	30	0.4	30	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA140	C	F1	30	0.4	28	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	28	0.4	26	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	26	0.4	24	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	24	0.4	22	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	22	0.4	20	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	30	8.6	28	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	28	8.6	26	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	26	8.6	24	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	24	8.6	22	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	22	8.6	20	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA180	C	F1	32	0.4	32	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	34	0.4	34	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	36	0.4	36	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	38	0.4	38	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	

			X	Y	X	Y											
HEA180	C	F1	40	0.4	40	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA140	C	F1	40	0.4	38	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	38	0.4	36	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	36	0.4	34	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	34	0.4	32	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	32	0.4	30	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	40	8.6	38	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	38	8.6	36	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	36	8.6	34	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA180	C	F1	22	0.4	22	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA140	C	F1	34	8.6	32	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	12	8.6	10	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	16	8.6	14	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA180	C	F1	2	0.4	2	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	4	0.4	4	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	6	0.4	6	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	8	0.4	8	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	10	0.4	10	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA140	C	F1	10	0.4	8	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	8	0.4	6	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	6	0.4	4	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	4	0.4	2	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	2	0.4	0	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	10	8.6	8	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	8	8.6	6	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	6	8.6	4	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	4	8.6	2	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	

			X	Y	X	Y											
HEA140	C	F1	2	8.6	0	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA180	C	F1	12	0.4	12	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	14	0.4	14	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	16	0.4	16	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	18	0.4	18	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA180	C	F1	20	0.4	20	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	No	No	0.36	
HEA140	C	F1	20	0.4	18	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	18	0.4	16	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	16	0.4	14	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	14	0.4	12	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	12	0.4	10	0.4	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	20	8.6	18	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	18	8.6	16	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	14	8.6	12	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	F1	32	8.6	30	8.6	0	No	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	

5.2 Travi tiranti in acciaio

5.2.1 Travi tiranti in acciaio tra quote

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Quota i.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Quota f.**: quota del punto di inserimento finale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto i.**: punto di inserimento iniziale.*
* ***X**: coordinata X. [m]*
* ***Y**: coordinata Y. [m]*
***Punto f.**: punto di inserimento finale.*
* ***X**: coordinata X. [m]*
* ***Y**: coordinata Y. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [kN/m]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Quota i.	Quota f.	Punto i.		Punto f.		Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
				X	Y	X	Y									
L60*6	C	F1	L1	2	0.4	4	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	

				X	Y	X	Y									
L60*6	C	F1	L1	36	0.4	38	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	38	0.4	36	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	32	0.4	34	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	24	0.4	22	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	26	0.4	28	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	26	0.4	28	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	28	0.4	26	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	22	0.4	24	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	14	0.4	12	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	16	0.4	18	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	16	0.4	18	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	18	0.4	16	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	12	0.4	14	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	4	0.4	2	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	6	0.4	8	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	6	0.4	8	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	8	0.4	6	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	36	0.4	38	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	
L60*6	C	F1	L1	34	0.4	32	0.4	S355	Nessuno ; G	Nessuno ; Asse locale 2	0	No	Svincolo : M2, M3	Svincolo : M2, M3	0.05	

5.3 Colonne in acciaio

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sezione**: sezione in acciaio.*
***Ang.**: angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***P.i.**: posizione del punto di inserimento rispetto alla geometria della sezione. SS=Sinistra-sotto, SC=Sinistra-centro, SA=Sinistra-alto, CS=Centro-sotto, CC=Centro-centro, CA=Centro-alto, DS=Destra-sotto, DC=Destra-centro, DA=Destra-alto*
***Punto**: posizione del punto di inserimento rispetto alla geometria della sezione.*

***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Tr.	Sezione	Ang.	P.i.	Punto		Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	Cal.
				X	Y								
T1	HEA180	0	CC	0	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	26	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	26	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	28	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	28	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	30	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	30	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	32	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	32	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	34	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	24	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	34	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	36	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	38	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	38	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	40	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	40	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	90	CC	0	6.55	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	90	CC	0	4.5	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	90	CC	0	2.45	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	90	CC	40	2.45	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	36	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	24	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	22	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	22	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	0	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	2	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	2	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	4	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	4	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	

				X	Y								
T1	HEA180	0	CC	6	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	6	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	8	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	8	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	10	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	10	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	12	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	12	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	14	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	14	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	16	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	16	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	18	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	18	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	20	0.4	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	0	CC	20	8.6	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	90	CC	40	6.55	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	
T1	HEA180	90	CC	40	4.5	S355	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M3	No	

5.4 Carichi superficiali

5.4.1 Carichi superficiali di falda

***Carico**: riferimento alla definizione di un carico di superficie.*
***Solaio**: caratteristiche dell'eventuale solaio.*
***Falda**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punti**: punti di definizione in pianta.*
***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Angolo**: direzione delle nervature che trasmettono il carico.Angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Comp.**: descrizione sintetica del comportamento del carico superficiale o, nel caso di comportamento membranale, riferimento alla decrizione analitica della membrana.*
***Fori**: riferimenti a tutti gli elementi che forano il carico superficiale.*

Carico	Solaio	Falda	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
1		F1	1	40	0.4	0	0	Nessuno	
			2	40	8.6				
			3	0	8.6				
			4	0	0.4				

5.5 Vincoli

5.5.1 Vincoli di piano

***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto**: punto di inserimento.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Ux**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN/m]*
***Uy**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN/m]*

***Uz**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN/m]*
***Rx**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN·m/deg]*
***Ry**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN·m/deg]*
***Rz**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN·m/deg]*

Livello	Punto		Estr.	Ux	Uy	Uz	Rx	Ry	Rz
	X	Y							
L1	0	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	0	8.6	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	10	0	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato
L1	10	8.6	0	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato	Bloccato

6 Nodi

6.1 Nodi di definizione

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Posizione**: coordinate del nodo.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Z**: coordinata Z. [cm]*

Indice	Posizione		
	X	Y	Z
2	0	40	0
3	200	40	0
4	400	40	0
5	600	40	0
6	800	40	0
7	1000	40	0
8	1200	40	0
9	1400	40	0
10	1600	40	0
11	1800	40	0
12	2000	40	0
13	2200	40	0
14	2400	40	0
15	2600	40	0
16	2800	40	0
17	3000	40	0
18	3200	40	0
19	3400	40	0
20	3600	40	0
21	3800	40	0
22	4000	40	0
23	0	245	0
24	4000	245	0
25	0	450	0
26	4000	450	0
27	0	655	0
28	4000	655	0
29	0	860	0
30	200	860	0
31	400	860	0
32	600	860	0
33	800	860	0
34	1000	860	0
35	1200	860	0
36	1400	860	0
37	1600	860	0
38	1800	860	0
39	2000	860	0
40	2200	860	0
41	2400	860	0
42	2600	860	0
43	2800	860	0
44	3000	860	0
45	3200	860	0
46	3400	860	0
47	3600	860	0
48	3800	860	0
49	4000	860	0
50	0	860	100
51	200	860	100
52	400	860	100
53	600	860	100
54	800	860	100
55	1000	860	100
56	1200	860	100
57	1400	860	100
58	1600	860	100
59	1800	860	100
60	2000	860	100
61	2200	860	100
62	2400	860	100
63	2600	860	100
64	2800	860	100
65	3000	860	100

	X	Y	Z
66	3200	860	100
67	3400	860	100
68	3600	860	100
69	3800	860	100
70	4000	860	100
71	0	655	119.1
72	4000	655	119.1
73	0	450	138.1
74	4000	450	138.1
75	0	245	157.2
76	4000	245	157.2
77	0	40	176.3
78	200	40	176.3
79	400	40	176.3
80	600	40	176.3
81	800	40	176.3
82	1000	40	176.3
83	1200	40	176.3
84	1400	40	176.3
85	1600	40	176.3
86	1800	40	176.3
87	2000	40	176.3
88	2200	40	176.3
89	2400	40	176.3
90	2600	40	176.3
91	2800	40	176.3
92	3000	40	176.3
93	3200	40	176.3
94	3400	40	176.3
95	3600	40	176.3
96	3800	40	176.3
97	4000	40	176.3

7 Aste

7.1 Carichi su aste

7.1.1 Carichi trapezoidali locali

Indice asta*: indice dell'asta a cui si riferisce il carico trapezoidale.*
Condizione*: condizione elementare di carico a cui si riferisce il carico.*
Posizione iniziale*: posizione iniziale del carico sull'asse locale 1. [m]*
F1 iniziale*: componente del valore iniziale del carico lungo l'asse locale 1. [kN/m]*
F2 iniziale*: componente del valore iniziale del carico lungo l'asse locale 2. [kN/m]*
F3 iniziale*: componente del valore iniziale del carico lungo l'asse locale 3. [kN/m]*
Posizione finale*: posizione finale del carico sull'asse locale 1. [m]*
F1 finale*: componente del valore finale del carico lungo l'asse locale 1. [kN/m]*
F2 finale*: componente del valore finale del carico lungo l'asse locale 2. [kN/m]*
F3 finale*: componente del valore finale del carico lungo l'asse locale 3. [kN/m]*

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
5	Pesi strutturali	0	0.019	-0.199	0	2.059	0.019	-0.199	0
5	Permanenti portati	0	0.074	-0.797	0	2.059	0.074	-0.797	0
5	Neve	0	0.051	-0.548	0	2.059	0.051	-0.548	0
6	Pesi strutturali	0	0.019	-0.199	0	2.059	0.019	-0.199	0
6	Permanenti portati	0	0.074	-0.797	0	2.059	0.074	-0.797	0
6	Neve	0	0.051	-0.548	0	2.059	0.051	-0.548	0
7	Pesi strutturali	0	0.019	-0.199	0	2.059	0.019	-0.199	0
7	Permanenti portati	0	0.074	-0.797	0	2.059	0.074	-0.797	0
7	Neve	0	0.051	-0.548	0	2.059	0.051	-0.548	0
8	Pesi strutturali	0	0.019	-0.199	0	2.059	0.019	-0.199	0
8	Permanenti portati	0	0.074	-0.797	0	2.059	0.074	-0.797	0
8	Neve	0	0.051	-0.548	0	2.059	0.051	-0.548	0
9	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
9	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
9	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
12	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
12	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
12	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
15	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
15	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
15	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
18	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
18	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
18	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
21	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
21	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
21	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
34	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
34	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
34	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
37	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
37	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
37	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
40	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0

Indice asta	Condizione	Posizione iniziale	F1 iniziale	F2 iniziale	F3 iniziale	Posizione finale	F1 finale	F2 finale	F3 finale
40	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
40	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
43	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
43	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
43	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
46	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
46	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
46	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
59	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
59	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
59	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
62	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
62	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
62	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
65	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
65	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
65	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
68	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
68	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
68	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
71	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
71	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
71	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
84	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
84	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
84	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
87	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
87	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
87	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
90	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
90	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
90	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
93	Pesi strutturali	0	0.037	-0.398	0	8.235	0.037	-0.398	0
93	Permanenti portati	0	0.148	-1.593	0	8.235	0.148	-1.593	0
93	Neve	0	0.102	-1.095	0	8.235	0.102	-1.095	0
96	Pesi strutturali	0	0.019	-0.199	0	2.059	0.019	-0.199	0
96	Permanenti portati	0	0.074	-0.797	0	2.059	0.074	-0.797	0
96	Neve	0	0.051	-0.548	0	2.059	0.051	-0.548	0
97	Pesi strutturali	0	0.019	-0.199	0	2.059	0.019	-0.199	0
97	Permanenti portati	0	0.074	-0.797	0	2.059	0.074	-0.797	0
97	Neve	0	0.051	-0.548	0	2.059	0.051	-0.548	0
98	Pesi strutturali	0	0.019	-0.199	0	2.059	0.019	-0.199	0
98	Permanenti portati	0	0.074	-0.797	0	2.059	0.074	-0.797	0
98	Neve	0	0.051	-0.548	0	2.059	0.051	-0.548	0
99	Pesi strutturali	0	0.019	-0.199	0	2.059	0.019	-0.199	0
99	Permanenti portati	0	0.074	-0.797	0	2.059	0.074	-0.797	0
99	Neve	0	0.051	-0.548	0	2.059	0.051	-0.548	0

7.2 Caratteristiche meccaniche aste

I seguenti dati si riferiscono alle caratteristiche meccaniche delle aste utilizzate dal solutore ad elementi finiti. Normalmente differiscono dalle caratteristiche inerziali delle sezioni definite nel database. Tengono conto dei moltiplicatori inerziali espressi nelle preferenze FEM e di indicazioni tratte dalla bibliografia (SAP 90 Volume I Figura X-8; Belluzzi Vol. 1).
***I.**: numero dell'elemento nell'insieme che lo contiene.*
***Area**: area della sezione trasversale. [m²]*
***Area 2**: area di taglio per sforzo di taglio nella direzione 2. [m²]*
***Area 3**: area di taglio per sforzo di taglio nella direzione 3. [m²]*
***In.2**: momento d'inerzia attorno all'asse locale 2. [m4]*
***In.3**: momento d'inerzia attorno all'asse locale 3. [m4]*
***In.tors.**: momento d'inerzia torsionale corretto con il fattore di torsione. [m4]*
***E**: modulo di elasticità longitudinale. [kN/m²]*
***G**: modulo di elasticità tangenziale. [kN/m²]*
***α**: coefficiente di dilatazione termica longitudinale. [°C-1]*
***P.unit.**: peso per unità di lunghezza dell'elemento. [kN/m]*
***S.fibre**: caratteristiche della sezione a fibre.*
***Sez.corr.**: sezione degli elementi correlati.*
***Desc.**: descrizione o nome assegnato all'elemento.*
***Mat.corr.**: materiale degli elementi correlati.*
***Desc.**: descrizione o nome assegnato all'elemento.*

I.	Area	Area 2	Area 3	In.2	In.3	In.tors.	E	G	α	P.unit.	S.fibre	Sez.corr.	Mat.corr.
												Desc.	Desc.
1	0.0045	0.001	0.0028	9.25E-06	2.51E-05	1.14E-07	2.10E08	80769231	0.000012	0.356		HEA180	S355
2	0.0045	0.001	0.0028	9.25E-06	2.51E-05	1.14E-07	2.10E08	80769231	0.000012	0.356		HEA180	S355
3	0.0031	0.0007	0.002	3.89E-06	1.03E-05	6.38E-08	2.10E08	80769231	0.000012	0.247		HEA140	S355

7.3 Definizioni aste

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Nodo I**: nodo iniziale.*
***Nodo J**: nodo finale.*
***Nodo K**: nodo che definisce l'asse locale 2.*
***Sezione**: caratteristiche inerziali-meccaniche della sezione.*
***Indice**: numero dell'elemento nell'insieme che lo contiene.*

Indice	Nodo I	Nodo J	Nodo K	Sezione
				Indice
1	2	77	99	1
2	29	50	99	1
3	3	78	99	1
4	30	51	99	1
5	77	75	100	2
6	75	73	100	2
7	73	71	100	2
8	71	50	100	2
9	78	51	100	2
10	4	79	99	1
11	31	52	99	1
12	79	52	100	2
13	5	80	99	1
14	32	53	99	1
15	80	53	100	2
16	6	81	99	1
17	33	54	99	1
18	81	54	100	2
19	7	82	99	1
20	34	55	99	1
21	82	55	100	2
22	82	81	100	3
23	81	80	100	3
24	80	79	100	3
25	79	78	100	3
26	78	77	100	3
27	55	54	100	3
28	54	53	100	3
29	53	52	100	3
30	52	51	100	3
31	51	50	100	3
32	8	83	99	1
33	35	56	99	1
34	83	56	100	2
35	9	84	99	1
36	36	57	99	1
37	84	57	100	2
38	10	85	99	1
39	37	58	99	1
40	85	58	100	2
41	11	86	99	1
42	38	59	99	1
43	86	59	100	2
44	12	87	99	1
45	39	60	99	1
46	87	60	100	2
47	87	86	100	3
48	86	85	100	3
49	85	84	100	3
50	84	83	100	3
51	83	82	100	3
52	60	59	100	3
53	59	58	100	3
54	58	57	100	3
55	57	56	100	3
56	56	55	100	3
57	13	88	99	1
58	40	61	99	1
59	88	61	100	2
60	14	89	99	1
61	41	62	99	1
62	89	62	100	2
63	15	90	99	1
64	42	63	99	1
65	90	63	100	2
66	16	91	99	1
67	43	64	99	1
68	91	64	100	2
69	17	92	99	1
70	44	65	99	1
71	92	65	100	2
72	92	91	100	3
73	91	90	100	3
74	90	89	100	3
75	89	88	100	3
76	88	87	100	3
77	65	64	100	3
78	64	63	100	3
79	63	62	100	3
80	62	61	100	3
81	61	60	100	3
82	18	93	99	1
83	45	66	99	1
84	93	66	100	2
85	19	94	99	1
86	46	67	99	1
87	94	67	100	2
88	20	95	99	1
89	47	68	99	1
90	95	68	100	2
91	21	96	99	1
92	48	69	99	1
93	96	69	100	2
94	22	97	99	1
95	49	70	99	1
96	97	76	100	2
97	76	74	100	2

Indice	Nodo I	Nodo J	Nodo K	Sezione
				Indice
98	74	72	100	2
99	72	70	100	2
100	97	96	100	3
101	96	95	100	3
102	95	94	100	3
103	94	93	100	3
104	93	92	100	3
105	70	69	100	3
106	69	68	100	3
107	68	67	100	3
108	67	66	100	3
109	66	65	100	3
110	27	71	105	1
111	25	73	103	1
112	23	75	101	1
113	24	76	102	1
114	28	72	106	1
115	26	74	104	1

8 Bielle

8.1 Caratteristiche meccaniche bielle

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Area**: area della sezione trasversale. [m²]*
***Rigidezza**: caratteristiche rigidezza di una sezione di biella.*
***α**: coefficiente di dilatazione termica longitudinale. [°C-1]*
***Peso unitario**: peso per unità di lunghezza dell'asta. [kN/m]*

Indice	Area	Rigidezza	α	Peso unitario
1	0.0007	2100000; 0; 1000000000000000000	0.000012	0.054

8.2 Definizioni bielle

***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Nodo I**: nodo iniziale.*
***Nodo J**: nodo finale.*
***Sezione**: caratteristiche inerziali-meccaniche della sezione.*
***Indice**: numero dell'elemento nell'insieme che lo contiene.*
***Tronco rigido iniziale**: ampiezza del tronco rigido iniziale. [m]*
***Tronco rigido finale**: ampiezza del tronco rigido finale. [m]*
***Variazione termica**: variazione termica a cui è soggetto l'elemento. [°C]*

Indice	Nodo I	Nodo J	Sezione	Tronco rigido iniziale	Tronco rigido finale	Variazione termica
			Indice			
1	78	4	1	0.09	0.09	0
2	81	5	1	0.09	0.09	0
3	80	6	1	0.09	0.09	0
4	80	6	1	0.09	0.09	0
5	79	3	1	0.09	0.09	0
6	83	9	1	0.09	0.09	0
7	86	10	1	0.09	0.09	0
8	85	11	1	0.09	0.09	0
9	85	11	1	0.09	0.09	0
10	84	8	1	0.09	0.09	0
11	88	14	1	0.09	0.09	0
12	91	15	1	0.09	0.09	0
13	90	16	1	0.09	0.09	0
14	90	16	1	0.09	0.09	0
15	89	13	1	0.09	0.09	0
16	93	19	1	0.09	0.09	0
17	96	20	1	0.09	0.09	0
18	95	21	1	0.09	0.09	0
19	95	21	1	0.09	0.09	0
20	94	18	1	0.09	0.09	0

9 Reazioni nodali estreme

***Nodo**: Nodo sollecitato dalla reazione vincolare.*
***Ind.**: indice del nodo.*
***Cont.**: Contesto a cui si riferisce la reazione vincolare.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Reazione a traslazione**: reazione vincolare traslazionale del nodo.*
***x**: componente X della reazione vincolare del nodo. [kN]*
***y**: componente Y della reazione vincolare del nodo. [kN]*

***z**: componente Z della reazione vincolare del nodo. [kN]*
***Reazione a rotazione**: reazione vincolare rotazionale del nodo.*
***x**: componente X della reazione a rotazione del nodo. [kN·m]*
***y**: componente Y della reazione a rotazione del nodo. [kN·m]*
***z**: componente Z della reazione a rotazione del nodo. [kN·m]*

Reazioni Fx minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
3	SLV 15	-29.53	6.68	-14.99	0	-1.9193	0.0005
5	SLV 15	-28.88	6.68	-14.38	0	-1.8406	0.0005
8	SLV 15	-28.27	6.68	-13.92	0	-1.8255	0.0005
10	SLV 15	-27.94	6.68	-13.59	0	-1.7739	0.0005
13	SLV 15	-27.55	6.68	-13.31	0	-1.7774	0.0005

Reazioni Fx massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
21	SLV 3	37.4	6.68	-22.14	0	1.3312	-0.0006
16	SLV 3	36.53	6.69	-21.4	0	1.2941	-0.0006
11	SLV 3	36.12	6.69	-21.04	0	1.2787	-0.0006
6	SLV 3	35.56	6.69	-20.56	0	1.2621	-0.0006
19	SLV 3	20.46	6.68	-7.31	0	1.2889	-0.0006

Reazioni Fy minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
47	SLV 11	-1.9	-19.59	13.54	0	-1.9037	0.0005
32	SLV 11	-1.9	-19.59	13.54	0	-1.9083	0.0005
42	SLV 11	-1.92	-19.59	13.54	0	-1.9196	0.0005
37	SLV 11	-1.92	-19.59	13.54	0	-1.9209	0.0005
48	SLV 7	1.89	-19.54	13.52	0	1.8983	-0.0005

Reazioni Fy massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
17	SLU 8	0	17.44	22.2	0	0	0
7	SLU 8	0	17.44	22.2	0	0	0
12	SLU 8	0	17.44	22.2	0	0	0
19	SLU 8	0	17.44	22.39	0	0	0
14	SLU 8	0	17.44	22.39	0	0	0

Reazioni Fz minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
21	SLV 3	37.4	6.68	-22.14	0	1.3312	-0.0006
16	SLV 3	36.53	6.69	-21.4	0	1.2941	-0.0006
11	SLV 3	36.12	6.69	-21.04	0	1.2787	-0.0006
6	SLV 3	35.56	6.69	-20.56	0	1.2621	-0.0006
3	SLV 15	-29.53	6.68	-14.99	0	-1.9193	0.0005

Reazioni Fz massime

Vengono mostrati i soli 5 nodi più sollecitati.

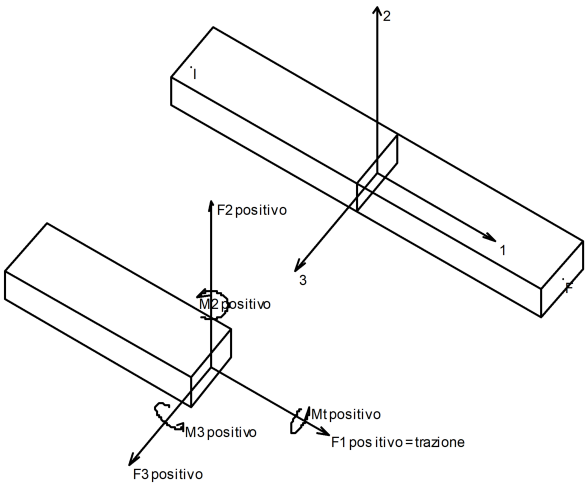
Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
20	SLV 1	0.69	9.58	44.23	0	1.2388	-0.0006
15	SLV 1	0.67	9.58	43.48	0	1.2109	-0.0006
10	SLV 1	0.66	9.58	43.12	0	1.1978	-0.0006
5	SLV 1	0.65	9.58	42.64	0	1.1797	-0.0006
4	SLV 13	-1.02	9.58	36.92	0	-1.8298	0.0005

10 Sollecitazioni aste

10.1 Convenzioni di segno aste

Le abbreviazioni relative alle sollecitazioni sugli elementi aste sono da intendersi:

- F1 (N): sforzo normale nell'asta;
- F2: sforzo di taglio agente nella direzione dell'asse locale 2;
- F3: sforzo di taglio agente nella direzione dell'asse locale 3;
- M1 (Mt): momento attorno all'asse locale 1; equivale al momento torcente;
- M2: momento attorno all'asse locale 2;
- M3: momento attorno all'asse locale 3.



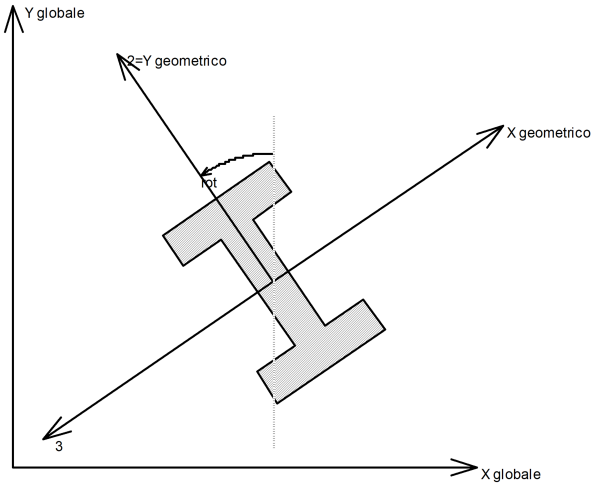
La convenzione sui segni per i parametri di sollecitazione delle aste è la seguente:
presa un'asta con nodo iniziale i e nodo finale f, asse 1 che va da i a f, assi 2 e 3 presi secondo quanto indicato nei paragrafi successivi relativi al sistema locale delle aste sezionando l'asta in un punto e considerando la sezione sinistra del punto in cui si è effettuato il taglio (sezione da cui esce il versore asse 1) i parametri di sollecitazione sono positivi se hanno verso e direzione concordi con il sistema di riferimento locale dell'asta 1, 2, 3 (per i momenti si adotta la regola della mano destra).

Il sistema è definito diversamente per tre categorie di aste, a seconda che siano originate da:

- aste verticali ad esempio pilastri e colonne;
- aste non verticali non di c.a., ad esempio travi di acciaio o legno;
- aste non verticali in c.a.: travi in c.a. di piano, falda o a quota generica.

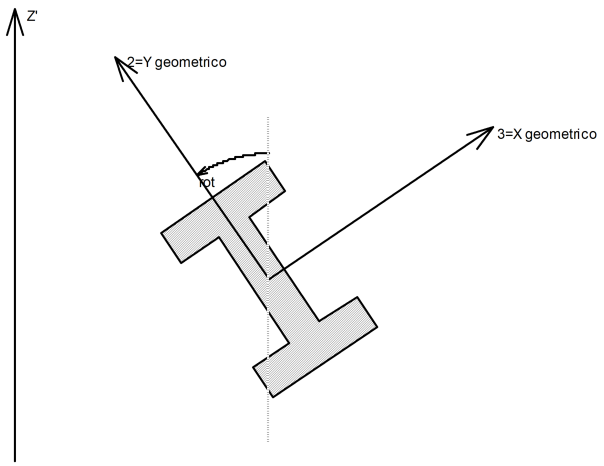
Nel seguito si indica con 1, 2 e 3 il sistema locale dell'asta che non sempre coincide con gli assi principali della sezione. Si ricorda che per assi principali si intendono gli assi rispetto a cui si ha il raggio di inerzia minimo e massimo. Gli assi 1, 2 e 3 rispettano la regola della mano destra.

Sistema locale aste verticali



Nella figura si considera l'asse 1 uscente dal foglio (l'osservatore guarda in direzione opposta a quella dell'asse 1).

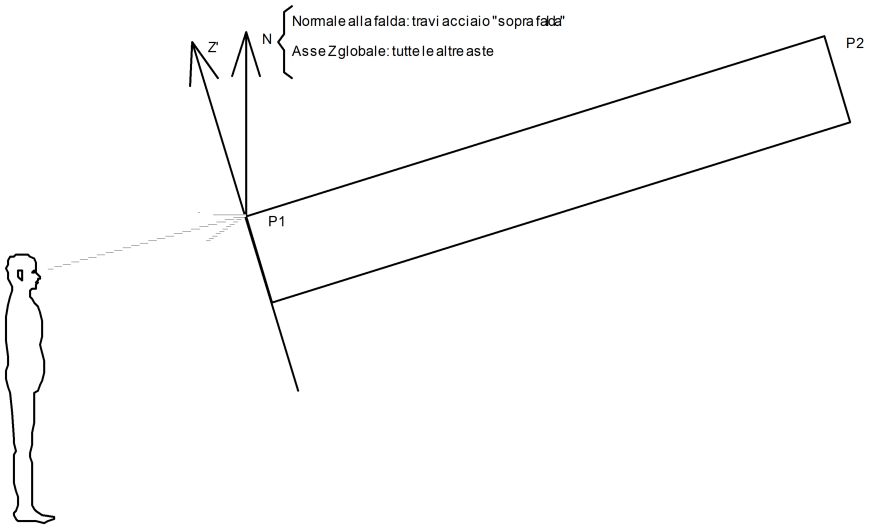
Sistema locale aste non verticali



Nella figura si considera l'asse 1 entrante nel foglio (l'osservatore guarda in direzione coincidente a quella dell'asse 1).

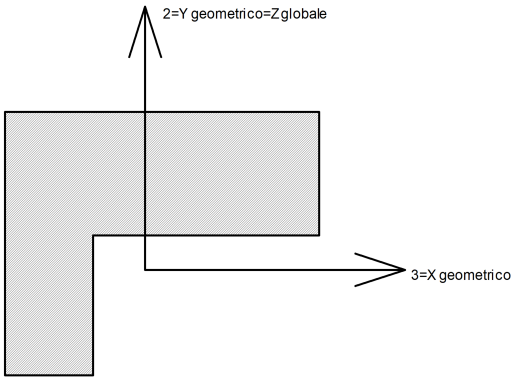
L'asse Z' è illustrato nella figura seguente dove:

- P1 è il punto di inserimento iniziale dell'asta;
- P2 è il punto di inserimento finale dell'asta;
- N è la normale al piano o falda di inserimento;



Z' è quindi l'intersezione tra il piano passante per P1, P2 contenente N e il piano della sezione iniziale dell'asta.

Sistema locale aste derivanti da travi in c.a.



Nella figura si considera l'asse 1 entrante nel foglio (l'osservatore guarda in direzione coincidente a quella dell'asse 1). L'asse 2 è sempre verticale e quindi coincidente con l'asse Z globale nonché con l'asse y geometrico. L'asse 3 coincide con l'asse x geometrico. . Si sottolinea il fatto che gli assi 2 e 3 non corrispondono agli assi principali della sezione.

10.2 Sollecitazioni estreme aste

***Asta**: elemento asta a cui si riferiscono le sollecitazioni.*
***Ind.**: indice dell'asta.*
***Cont.**: contesto a cui si riferisce la sollecitazione*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Pos.**: numero della sezione all'interno dell'asta (tra 1 e 31, dove 1 corrisponde alla sezione al nodo iniziale, 16 è la sezione in mezzeria, 31 corrisponde alla sezione al nodo finale).*
***Posizione**: posizione a cui si riferisce la sollecitazione dell'asta.*
***X**: componente X della posizione a cui si riferisce la sollecitazione dell'asta. [m]*
***Y**: componente Y della posizione a cui si riferisce la sollecitazione dell'asta. [m]*
***Z**: componente Z della posizione a cui si riferisce la sollecitazione dell'asta. [m]*
***Soll.traslazionale**: componente traslazionale della sollecitazione dell'asta.*
***F1**: componente F1 della sollecitazione dell'asta. [kN]*
***F2**: componente F2 della sollecitazione dell'asta. [kN]*
***F3**: componente F3 della sollecitazione dell'asta. [kN]*
***Soll.rotazionale**: componente rotazionale della sollecitazione dell'asta.*
***M1**: componente M1 della sollecitazione dell'asta. [kN·m]*
***M2**: componente M2 della sollecitazione dell'asta. [kN·m]*
***M3**: componente M3 della sollecitazione dell'asta. [kN·m]*

Sollecitazioni con sforzo normale (N) minimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
88	SLV 1	1	36	0.4	0	-44.15	-9.58	0.69	0.0006	-1.2388	0
63	SLV 1	1	26	0.4	0	-43.4	-9.58	0.67	0.0006	-1.2109	0
38	SLV 1	1	16	0.4	0	-43.05	-9.58	0.66	0.0006	-1.1978	0
13	SLV 1	1	6	0.4	0	-42.57	-9.58	0.65	0.0006	-1.1797	0
10	SLV 13	1	4	0.4	0	-36.85	-9.58	-1.02	-0.0005	1.8298	0

Sollecitazioni con sforzo normale (N) massimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
74	SLV 3	1	26	0.4	1.76	9.77	-0.25	0	0	0	0
49	SLV 3	1	16	0.4	1.76	9.74	-0.25	0	0	0	0
47	SLV 15	1	20	0.4	1.76	9.15	-0.25	0	0	0	0
102	SLV 3	1	36	0.4	1.76	9.03	-0.25	0	0	0	0
24	SLV 3	1	6	0.4	1.76	8.9	-0.25	0	0	0	0

Sollecitazioni con momento M2 minimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
97	SLV 3	31	40	4.5	1.38	-1.03	1.55	-1.13	-0.0409	-10.8046	-0.6713
6	SLV 3	31	0	4.5	1.38	-1.03	1.55	-1.13	-0.0409	-10.8043	-0.6712
98	SLV 3	1	40	4.5	1.38	-0.81	-1.14	1.53	0.0257	-10.7825	-0.2316
7	SLV 3	1	0	4.5	1.38	-0.81	-1.14	1.53	0.0257	-10.7822	-0.2318
96	SLV 3	31	40	2.45	1.57	-0.74	1.75	-4.18	-0.0741	-8.5508	-0.7311

Sollecitazioni con momento M2 massimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3

6	SLV 15	31	0	4.5	1.38	-1.03	1.55	1.12	0.0408	10.8059	-0.6713
97	SLV 15	31	40	4.5	1.38	-1.03	1.55	1.12	0.0408	10.8052	-0.6712
7	SLV 15	1	0	4.5	1.38	-0.81	-1.14	-1.53	-0.026	10.7839	-0.2316
98	SLV 15	1	40	4.5	1.38	-0.81	-1.14	-1.53	-0.0258	10.7832	-0.2318
5	SLV 15	31	0	2.45	1.57	-0.74	1.75	4.18	0.0736	8.5521	-0.7311

Sollecitazioni con momento M3 minimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
40	SLU 8	1	16	0.4	1.76	-15.45	-22.27	0	0	0	-30.8316
65	SLU 8	1	26	0.4	1.76	-15.45	-22.27	0	0	0	-30.8316
15	SLU 8	1	6	0.4	1.76	-15.45	-22.27	0	0	0	-30.8316
90	SLU 8	1	36	0.4	1.76	-15.45	-22.27	0	0	0	-30.8315
62	SLU 8	1	24	0.4	1.76	-15.45	-22.27	0	0	0	-30.8315

Sollecitazioni con momento M3 massimo

Vengono mostrate le sole 5 aste più sollecitate.

Asta	Cont.	Pos.	Posizione			Soll.traslazionale			Soll.rotazionale		
Ind.	N.br.		X	Y	Z	F1	F2	F3	M1	M2	M3
38	SLU 8	31	16	0.4	1.76	-21.57	-17.44	0	0	0	30.8316
13	SLU 8	31	6	0.4	1.76	-21.57	-17.44	0	0	0	30.8316
63	SLU 8	31	26	0.4	1.76	-21.57	-17.44	0	0	0	30.8316
88	SLU 8	31	36	0.4	1.76	-21.57	-17.44	0	0	0	30.8315
35	SLU 8	31	14	0.4	1.76	-21.48	-17.44	0	0	0	30.8315

7. BUSSOLE D'INGRESSO

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1 Materiali

1.1 Materiali c.a.

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Rck**: resistenza caratteristica cubica; valore medio nel caso di edificio esistente. [kN/m²]*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [kN/m²]*
***G**: modulo di elasticità tangenziale del materiale, viene impiegato nella modellazione di aste e di elementi guscio a comportamento ortotropo. [kN/m²]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*
***γ**: peso specifico del materiale. [kN/m³]*
***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*

Descrizione	Rck	E	G	v	γ	α
C32/40_1	40000	33642778	15292172	0.1	25	0.00001

1.2 Armature

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Fonte**: origine dei dati dell'elemento.*
***fyk**: resistenza caratteristica. [kN/m²]*
***σamm.**: tensione ammissibile. [kN/m²]*
***Tipo**: tipo di barra.*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [kN/m²]*
***γ**: peso specifico del materiale. [kN/m³]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*
***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*
***Livello di conoscenza**: indica se il materiale è nuovo o esistente, e in tal caso il livello di conoscenza secondo Circ.617 02/02/09 §C8A. Informazione impiegata solo in analisi D.M. 14-01-08 (N.T.C.) eD.M. 17-01-18 (N.T.C.).*

Descrizione	Fonte	fyk	σamm.	Tipo	E	γ	v	α	Livello di conoscenza
B450C		450000	255000	Aderenza migliorata	206000000	78.5	0.3	0.000012	Nuovo

1.3 Acciai

1.3.1 Proprietà acciai EC3/DM08/DM18

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy(s<=40 mm)**: resistenza di snervamento fy per spessori <=40 mm. [kN/m²]*
***fy(s>40 mm)**: resistenza di snervamento fy per spessori >40 mm. [kN/m²]*
***fu(s<=40 mm)**: resistenza di rottura per trazione fu per spessori <=40 mm. [kN/m²]*
***fu(s>40 mm)**: resistenza di rottura per trazione fu per spessori >40 mm. [kN/m²]*

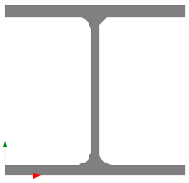
Descrizione	Tipo	fy(s<=40 mm)	fy(s>40 mm)	fu(s<=40 mm)	fu(s>40 mm)
S355	S355	355000	335000	510000	470000
S275	S275	275000	255000	430000	410000

2 Sezioni

2.1 Sezioni in acciaio

2.1.1 Profili singoli in acciaio

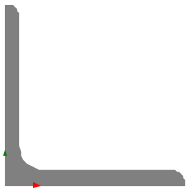
2.1.1.1 HEA - HEM - HEB - IPE



Descrizione: *descrizione o nome assegnato all'elemento.*
Fonte: *origine dei dati dell'elemento.*
Area Tx FEM: *area di taglio in direzione X per l'analisi FEM. [mm²]*
Area Ty FEM: *area di taglio in direzione Y per l'analisi FEM. [mm²]*
JxFEM: *momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
JyFEM: *momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
JtFEM: *momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
b: *larghezza dell'ala. [mm]*
h: *altezza del profilo. [mm]*
s: *spessore dell'anima. [mm]*
t: *spessore delle ali. [mm]*
r: *raggio del raccordo ala-anima. [mm]*
f: *truschino. [mm]*
Sup.: *superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	t	r	f	Sup.
HEA140		1983	685	1.03E7	3893397	63752	140	133	5.5	8.5	12	74	794.3
IPE120		672	500	3180122	276709	13718	64	120	4.4	6.3	7	35	475.1
IPE240		1960	1427	3.90E7	2836768	92805	120	240	6.2	9.8	15	72	921.7
IPE160_1		1011	763	8700783	683212	28202	82	160	5	7.4	9	42	622.5
HEA180_1		2850	969	2.51E7	9246467	113829	180	171	6	9.5	15	99	1024.1

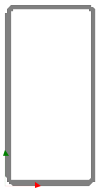
2.1.1.2 Profili a L



Descrizione: *descrizione o nome assegnato all'elemento.*
Fonte: *origine dei dati dell'elemento.*
Area Tx FEM: *area di taglio in direzione X per l'analisi FEM. [mm²]*
Area Ty FEM: *area di taglio in direzione Y per l'analisi FEM. [mm²]*
JxFEM: *momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
JyFEM: *momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
JtFEM: *momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
b: *larghezza dell'ala. [mm]*
h: *altezza. [mm]*
s: *spessore. [mm]*
r: *raggio del raccordo ala-anima. [mm]*
r1: *raggio dello smusso dell'ala e dell'anima. [mm]*
f: *truschino ala. [mm]*
f1: *truschino anima. [mm]*
Sup.: *superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	r	r1	f	f1	Sup.
L60*5_1		300	300	193577	193577	4792	60	60	5	8	4	35	35	233.1

2.1.1.3 Tubi rettangolari



Descrizione: *descrizione o nome assegnato all'elemento.*
Fonte: *origine dei dati dell'elemento.*

***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***h**: altezza del tubo. [mm]*
***b**: larghezza del tubo. [mm]*
***s**: spessore. [mm]*
***r**: raggio di curvatura. [mm]*
***Categoria**: categoria, basata sulla tecnologia costruttiva.*
***Formatura**: tipo di formatura a freddo del sagomato.*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	h	b	s	r	Categoria	Formatura	Sup.
EN10219 160x80x4	Concrete	640	1280	5977107	2035447	4940980	160	80	4	4	Sagomato a freddo conforme UNI 10219	A rullo	907.3

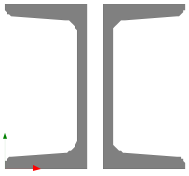
2.1.1.4 UPN

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Fonte**: origine dei dati dell'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***b**: larghezza dell'ala. [mm]*
***h**: altezza del profilo. [mm]*
***s**: spessore dell'anima. [mm]*
***t**: spessore delle ali. [mm]*
***r**: raggio del raccordo ala-anima. [mm]*
***f**: truschino. [mm]*
***r1**: raggio dello smusso delle ali. [mm]*
***p%**: pendenza delle ali. Il valore è adimensionale.*
***z**: posizione in cui viene misurato lo spessore delle ali. [mm]*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	t	r	f	r1	p%	z	Sup.
UPN100		866	600	2.1E6	291324	24815	50	100	6	8.5	8.5	30	4.5	8	25	371.9

2.1.2 Sezioni accoppiate in acciaio

2.1.2.1 Sezioni accoppiate tipo 3



***Descrizione**: descrizione o nome assegnato all'elemento.*
***Fonte**: origine dei dati dell'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***Profilo**: profilo utilizzato per creare la sezione accoppiata.*
  ***Descrizione**: descrizione o nome assegnato all'elemento.*
  ***Fonte**: origine dei dati dell'elemento.*
  ***Xg**: coordinata X del baricentro. [mm]*
  ***Yg**: coordinata Y del baricentro. [mm]*
  ***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [mm²]*
  ***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [mm4]*
  ***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [mm4]*
  ***Jxy**: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [mm4]*
  ***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [mm4]*

Jn: momento d'inerzia attorno all'asse baricentrico principale N. [mm4]
α X su M: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]
ix: raggio di inerzia relativo all'asse x. [mm]
iy: raggio di inerzia relativo all'asse y. [mm]
im: raggio di inerzia relativo all'asse principale m. [mm]
in: raggio di inerzia relativo all'asse principale n. [mm]
Sx: momento statico relativo all'asse x. [mm³]
Sy: momento statico relativo all'asse y. [mm³]
Wx: modulo di resistenza elastico minimo relativo all'asse x. [mm³]
Wy: modulo di resistenza elastico minimo relativo all'asse y. [mm³]
Wm: modulo di resistenza elastico minimo relativo all'asse principale m. [mm³]
Wn: modulo di resistenza elastico minimo relativo all'asse principale n. [mm³]
Wplx: modulo di resistenza plastico relativo all'asse x. [mm³]
Wply: modulo di resistenza plastico relativo all'asse y. [mm³]
Atx: area a taglio lungo x. [mm²]
Aty: area a taglio lungo y. [mm²]
Jt: momento d'inerzia torsionale corretto con il fattore di forma. [mm4]
Area Tx FEM: area di taglio in direzione X per l'analisi FEM. [mm²]
Area Ty FEM: area di taglio in direzione Y per l'analisi FEM. [mm²]
JxFEM: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]
JyFEM: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]
JtFEM: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]
Curva ω: curva ω per verifiche di instabilità aste compresse secondo CNR 10011.
Sup.: superficie bagnata per unità di lunghezza. [mm]
Distanza accoppiamento: distanza di accoppiamento. [mm]
Calastrello: calastrello per l'asta con la sezione accoppiata.
Materiale: riferimento ad una definizione di materiale acciaio per il calastrello.
Descrizione: descrizione o nome assegnato all'elemento.
Fonte: origine dei dati dell'elemento.
E: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [kN/mm²]
G: modulo di elasticità tangenziale del materiale, viene impiegato nella modellazione di aste e di elementi guscio a comportamento ortotropo. [kN/mm²]
ν: coefficiente di Poisson. Il valore è adimensionale.
γ: peso specifico del materiale. [kN/mm³]
α: coefficiente longitudinale di dilatazione termica. [°C-1]
Passo: interasse tra i calastrelli. [mm]
Spessore: spessore del calastrello. [mm]
Sup.: superficie bagnata per unità di lunghezza. [mm]

Descrizione	Fonte	Area Tx FEM	Area Ty FEM	Jx FEM	Jy FEM	Jt FEM	Profilo																															Distanza accoppiamento	Calastrello									Sup.
							Descrizione	Fonte	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α X su M	ix	iy	im	in	Sx	Sy	Wx	Wy	Wm	Wn	Wplx	Wply	Atx	Aty	Jt	Area Tx FEM	Area Ty FEM	Jx FEM	Jy FEM	Jt FEM	Curva ω	Sup.		Materiale							Passo	Spessore	
																																									Descrizione	Fonte	E	G	ν	γ	α			
A3; UPN100; 1; 2 Bulloni; S275; 60; 1; 2; 3; 2; EC 8.8; 1.2	Marco Piovesan	1.7E3	1.2E3	4.1E6	1.7E6	2.3E5	UPN100		1.5E1	50	1.3E3	2.1E6	2.9E5	0	2.1E6	2.9E5	0	3.9E1	1.5E1	3.9E1	1.5E1	2.4E4	8.6E3	4.1E4	8.4E3	4.1E4	8.4E3	4.9E4	1.6E4	8.7E2	6.0E2	2.5E4	8.7E2	6.0E2	2.1E6	2.9E5	2.5E4	C	3.7E2	10	S275		2.1E2	8.1E1	3.0E-1	7.9E-8	1.2E-5	6.0E2	10	7.4E2

2.1.3 Caratteristiche inerziali sezioni in acciaio

2.1.3.1 Caratteristiche inerziali principali sezioni in acciaio

Descrizione: descrizione o nome assegnato all'elemento.
Xg: coordinata X del baricentro. [cm]
Yg: coordinata Y del baricentro. [cm]
Area: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]
Jx: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]
Jy: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]
Jxy: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [cm4]

***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [cm4]*
***Jn**: momento d'inerzia attorno all'asse baricentrico principale N. [cm4]*
***α X su M**: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]*
***Jt**: momento d'inerzia torsionale corretto con il fattore di forma. [cm4]*

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α X su M	Jt
HEA140	7	6.65	31.45	1033.97	389.34	0	1033.97	389.34	0	6.38
UPN100	1.55	5	13.46	205.4	29.13	0	205.4	29.13	0	2.48
IPE120	3.2	6	13.22	318.01	27.67	0	318.01	27.67	0	1.37
IPE240	6	12	39.16	3896.61	283.68	0	3896.61	283.68	0	9.28
EN10219 160x80x4	4	8	18.15	597.71	203.54	0	597.71	203.54	0	494.1
IPE160_1	4.1	8	20.11	870.08	68.32	0	870.08	68.32	0	2.82
HEA180_1	9	8.55	45.3	2512.55	924.65	0	2512.55	924.65	0	11.38
L60*5_1	1.64	1.64	5.82	19.36	19.36	-11.33	30.69	8.03	45	0.48
A3; UPN100; 1; 2 Bulloni; S275; 60; 1; 2; 3; 2; EC 8.8; 1.2	5.5	5	26.92	410.8	171.37	0	410.8	171.37	0	22.54

2.1.3.2 Caratteristiche inerziali momenti sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***ix**: raggio di inerzia relativo all'asse x. [cm]*
***iy**: raggio di inerzia relativo all'asse y. [cm]*
***im**: raggio di inerzia relativo all'asse principale m. [cm]*
***in**: raggio di inerzia relativo all'asse principale n. [cm]*
***Sx**: momento statico relativo all'asse x. [cm³]*
***Sy**: momento statico relativo all'asse y. [cm³]*
***Wx**: modulo di resistenza elastico minimo relativo all'asse x. [cm³]*
***Wy**: modulo di resistenza elastico minimo relativo all'asse y. [cm³]*
***Wm**: modulo di resistenza elastico minimo relativo all'asse principale m. [cm³]*
***Wn**: modulo di resistenza elastico minimo relativo all'asse principale n. [cm³]*
***Wplx**: modulo di resistenza plastico relativo all'asse x. [cm³]*
***Wply**: modulo di resistenza plastico relativo all'asse y. [cm³]*

Descrizione	ix	iy	im	in	Sx	Sy	Wx	Wy	Wm	Wn	Wplx	Wply
HEA140	5.73	3.52	5.73	3.52	86.83	42.43	155.48	55.62	155.48	55.62	173.65	84.87
UPN100	3.91	1.47	3.91	1.47	24.49	8.58	41.08	8.44	41.08	8.44	48.98	16.2
IPE120	4.9	1.45	4.9	1.45	30.39	6.79	53	8.65	53	8.65	60.78	13.59
IPE240	9.98	2.69	9.98	2.69	183.56	36.98	324.72	47.28	324.72	47.28	367.12	73.96
EN10219 160x80x4	5.74	3.35	5.74	3.35	46.39	28.68	74.71	50.89	74.71	50.89	92.86	57.39
IPE160_1	6.58	1.84	6.58	1.84	61.99	13.05	108.76	16.66	108.76	16.66	123.97	26.11
HEA180_1	7.45	4.52	7.45	4.52	162.59	78.27	293.87	102.74	293.87	102.74	325.17	156.53
L60*5_1	1.82	1.82	2.3	1.17	4.6	4.6	4.44	4.44	7.23	3.46	8.15	8.15
A3; UPN100; 1; 2 Bulloni; S275; 60; 1; 2; 3; 2; EC 8.8; 1.2	3.91	2.52	3.91	2.52	48.98	27.59	82.16	31.16	82.16	31.16	97.96	55.18

2.1.3.3 Caratteristiche inerziali taglio sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Atx**: area a taglio lungo x. [cm²]*
***Aty**: area a taglio lungo y. [cm²]*

Descrizione	Atx	Aty
HEA140	23.8	7.32
UPN100	8.66	6
IPE120	8.06	5.28
IPE240	23.52	14.88
EN10219 160x80x4	6.4	12.8
IPE160_1	12.14	8
HEA180_1	34.2	10.26
L60*5_1	3	3
A3; UPN100; 1; 2 Bulloni; S275; 60; 1; 2; 3; 2; EC 8.8; 1.2	17.32	12

3 Azioni e carichi

3.1 Condizioni elementari di carico

***Descrizione**: nome assegnato alla condizione elementare.*
***Nome breve**: nome breve assegnato alla condizione elementare.*
***Durata**: descrive la durata della condizione (necessario per strutture in legno).*
***ψ0**: coefficiente moltiplicatore ψ0. Il valore è adimensionale.*
***ψ1**: coefficiente moltiplicatore ψ1. Il valore è adimensionale.*
***ψ2**: coefficiente moltiplicatore ψ2. Il valore è adimensionale.*
***Con segno**: descrive se la condizione elementare ha la possibilità di variare di segno.*

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Pesi strutturali	Pesi	Permanente				
Permanenti portati	Port.	Permanente				
Variabile H	Variabile H	Media	0	0	0	
Vento	Vento	Media	0.6	0.2	0	
ΔT	ΔT	Media	0.6	0.5	0	No
Sisma X SLV	SLV X					

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Sisma Y SLV	SLV Y					
Sisma Z SLV	SLV Z					
Eccentricità Y per sisma X SLV	EySx SLV					
Eccentricità X per sisma Y SLV	ExSy SLV					
Sisma X SLD	SLD X					
Sisma Y SLD	SLD Y					
Sisma Z SLD	SLD Z					
Eccentricità Y per sisma X SLD	EySx SLD					
Eccentricità X per sisma Y SLD	ExSy SLD					
Sisma X SLO	SLO X					
Sisma Y SLO	SLO Y					
Sisma Z SLO	SLO Z					
Eccentricità Y per sisma X SLO	EySx SLO					
Eccentricità X per sisma Y SLO	ExSy SLO					
Rig Ux	Rig Ux					
Rig Uy	Rig Uy					
Rig Rz	Rig Rz					

3.2 Combinazioni di carico

***Nome**: E' il nome esteso che contraddistingue la condizione elementare di carico.*
***Nome breve**: E' il nome compatto della condizione elementare di carico, che viene utilizzato altrove nella relazione.*
***Pesi**: Pesi strutturali*
***Port.**: Permanenti portati*
***Variabile H**: Variabile H*
***Vento**: Vento*
***ΔT**: ΔT*
***SLO X**: Sisma X SLO*
***SLO Y**: Sisma Y SLO*
***SLO Z**: Sisma Z SLO*
***EySx SLO**: Eccentricità Y per sisma X SLO*
***ExSy SLO**: Eccentricità X per sisma Y SLO*
***SLD X**: Sisma X SLD*
***SLD Y**: Sisma Y SLD*
***SLD Z**: Sisma Z SLD*
***EySx SLD**: Eccentricità Y per sisma X SLD*
***ExSy SLD**: Eccentricità X per sisma Y SLD*
***SLV X**: Sisma X SLV*
***SLV Y**: Sisma Y SLV*
***SLV Z**: Sisma Z SLV*
***EySx SLV**: Eccentricità Y per sisma X SLV*
***ExSy SLV**: Eccentricità X per sisma Y SLV*
***Rig Ux**: Rig Ux*
***Rig Uy**: Rig Uy*
***Rig Rz**: Rig Rz*
Tutte le combinazioni di carico vengono raggruppate per famiglia di appartenenza. Le celle di una riga contengono i coefficienti moltiplicatori della i-esima combinazione, dove il valore della prima cella è da intendersi come moltiplicatore associato alla prima condizione elementare, la seconda cella si riferisce alla seconda condizione elementare e così via.

Famiglia SLU

Il nome compatto della famiglia è SLU.

Nome	Nome breve	Pesi	Port.	Variabile H	Vento	ΔT
1	**SLU 1**	1	0.8	0	0	0
2	**SLU 2**	1	0.8	0	0	1.5
3	**SLU 3**	1	0.8	0	0.9	1.5
4	**SLU 4**	1	0.8	0	1.5	0
5	**SLU 5**	1	0.8	0	1.5	0.9
6	**SLU 6**	1	0.8	1.5	0	0
7	**SLU 7**	1	0.8	1.5	0	0.9
8	**SLU 8**	1	0.8	1.5	0.9	0
9	**SLU 9**	1	0.8	1.5	0.9	0.9
10	**SLU 10**	1	1.5	0	0	0
11	**SLU 11**	1	1.5	0	0	1.5
12	**SLU 12**	1	1.5	0	0.9	1.5
13	**SLU 13**	1	1.5	0	1.5	0
14	**SLU 14**	1	1.5	0	1.5	0.9
15	**SLU 15**	1	1.5	1.5	0	0
16	**SLU 16**	1	1.5	1.5	0	0.9
17	**SLU 17**	1	1.5	1.5	0.9	0
18	**SLU 18**	1	1.5	1.5	0.9	0.9
19	**SLU 19**	1.3	0.8	0	0	0
20	**SLU 20**	1.3	0.8	0	0	1.5
21	**SLU 21**	1.3	0.8	0	0.9	1.5
22	**SLU 22**	1.3	0.8	0	1.5	0
23	**SLU 23**	1.3	0.8	0	1.5	0.9
24	**SLU 24**	1.3	0.8	1.5	0	0
25	**SLU 25**	1.3	0.8	1.5	0	0.9
26	**SLU 26**	1.3	0.8	1.5	0.9	0
27	**SLU 27**	1.3	0.8	1.5	0.9	0.9
28	**SLU 28**	1.3	1.5	0	0	0
29	**SLU 29**	1.3	1.5	0	0	1.5
30	**SLU 30**	1.3	1.5	0	0.9	1.5
31	**SLU 31**	1.3	1.5	0	1.5	0

Nome	Nome breve	Pesi	Port.	Variabile H	Vento	ΔT
32	SLU 32	1.3	1.5	0	1.5	0.9
33	SLU 33	1.3	1.5	1.5	0	0
34	SLU 34	1.3	1.5	1.5	0	0.9
35	SLU 35	1.3	1.5	1.5	0.9	0
36	SLU 36	1.3	1.5	1.5	0.9	0.9

Famiglia SLE rara

Il nome compatto della famiglia è SLE RA.

Nome	Nome breve	Pesi	Port.	Variabile H	Vento	ΔT
1	SLE RA 1	1	1	0	0	0
2	SLE RA 2	1	1	0	0	1
3	SLE RA 3	1	1	0	0.6	1
4	SLE RA 4	1	1	0	1	0
5	SLE RA 5	1	1	0	1	0.6
6	SLE RA 6	1	1	1	0	0
7	SLE RA 7	1	1	1	0	0.6
8	SLE RA 8	1	1	1	0.6	0
9	SLE RA 9	1	1	1	0.6	0.6

Famiglia SLE frequente

Il nome compatto della famiglia è SLE FR.

Nome	Nome breve	Pesi	Port.	Variabile H	Vento	ΔT
1	SLE FR 1	1	1	0	0	0
2	SLE FR 2	1	1	0	0	0.5
3	SLE FR 3	1	1	0	0.2	0

Famiglia SLE quasi permanente

Il nome compatto della famiglia è SLE QP.

Nome	Nome breve	Pesi	Port.	Variabile H	Vento	ΔT
1	SLE QP 1	1	1	0	0	0

Famiglia SLU eccezionale

Il nome compatto della famiglia è SLU EX.

Nome	Nome breve	Pesi	Port.	Variabile H	Vento	ΔT

Famiglia SLO

Il nome compatto della famiglia è SLO.

Nome	Nome breve	Pesi	Port.	Variabile H	Vento	ΔT	SLO X	SLO Y	SLO Z	EySx SLO	ExSy SLO
1	SLO 1	1	1	0	0	0	-1	-0.3	0	-1	0.3
2	SLO 2	1	1	0	0	0	-1	-0.3	0	1	-0.3
3	SLO 3	1	1	0	0	0	-1	0.3	0	-1	0.3
4	SLO 4	1	1	0	0	0	-1	0.3	0	1	-0.3
5	SLO 5	1	1	0	0	0	-0.3	-1	0	-0.3	1
6	SLO 6	1	1	0	0	0	-0.3	-1	0	0.3	-1
7	SLO 7	1	1	0	0	0	-0.3	1	0	-0.3	1
8	SLO 8	1	1	0	0	0	-0.3	1	0	0.3	-1
9	SLO 9	1	1	0	0	0	0.3	-1	0	-0.3	1
10	SLO 10	1	1	0	0	0	0.3	-1	0	0.3	-1
11	SLO 11	1	1	0	0	0	0.3	1	0	-0.3	1
12	SLO 12	1	1	0	0	0	0.3	1	0	0.3	-1
13	SLO 13	1	1	0	0	0	1	-0.3	0	-1	0.3
14	SLO 14	1	1	0	0	0	1	-0.3	0	1	-0.3
15	SLO 15	1	1	0	0	0	1	0.3	0	-1	0.3
16	SLO 16	1	1	0	0	0	1	0.3	0	1	-0.3

Famiglia SLD

Il nome compatto della famiglia è SLD.

Nome	Nome breve	Pesi	Port.	Variabile H	Vento	ΔT	SLD X	SLD Y	SLD Z	EySx SLD	ExSy SLD
1	SLD 1	1	1	0	0	0	-1	-0.3	0	-1	0.3
2	SLD 2	1	1	0	0	0	-1	-0.3	0	1	-0.3
3	SLD 3	1	1	0	0	0	-1	0.3	0	-1	0.3
4	SLD 4	1	1	0	0	0	-1	0.3	0	1	-0.3
5	SLD 5	1	1	0	0	0	-0.3	-1	0	-0.3	1
6	SLD 6	1	1	0	0	0	-0.3	-1	0	0.3	-1
7	SLD 7	1	1	0	0	0	-0.3	1	0	-0.3	1
8	SLD 8	1	1	0	0	0	-0.3	1	0	0.3	-1
9	SLD 9	1	1	0	0	0	0.3	-1	0	-0.3	1
10	SLD 10	1	1	0	0	0	0.3	-1	0	0.3	-1
11	SLD 11	1	1	0	0	0	0.3	1	0	-0.3	1
12	SLD 12	1	1	0	0	0	0.3	1	0	0.3	-1
13	SLD 13	1	1	0	0	0	1	-0.3	0	-1	0.3
14	SLD 14	1	1	0	0	0	1	-0.3	0	1	-0.3
15	SLD 15	1	1	0	0	0	1	0.3	0	-1	0.3
16	SLD 16	1	1	0	0	0	1	0.3	0	1	-0.3

Famiglia SLV

Il nome compatto della famiglia è SLV.

Nome	Nome breve	Pesi	Port.	Variabile H	Vento	ΔT	SLV X	SLV Y	SLV Z	EySx SLV	ExSy SLV
1	SLV 1	1	1	0	0	0	-1	-0.3	0	-1	0.3
2	SLV 2	1	1	0	0	0	-1	-0.3	0	1	-0.3
3	SLV 3	1	1	0	0	0	-1	0.3	0	-1	0.3
4	SLV 4	1	1	0	0	0	-1	0.3	0	1	-0.3
5	SLV 5	1	1	0	0	0	-0.3	-1	0	-0.3	1
6	SLV 6	1	1	0	0	0	-0.3	-1	0	0.3	-1
7	SLV 7	1	1	0	0	0	-0.3	1	0	-0.3	1

Nome	Nome breve	Pesi	Port.	Variabile H	Vento	ΔT	SLV X	SLV Y	SLV Z	EySx SLV	ExSy SLV
8	SLV 8	1	1	0	0	0	-0.3	1	0	0.3	-1
9	SLV 9	1	1	0	0	0	0.3	-1	0	-0.3	1
10	SLV 10	1	1	0	0	0	0.3	-1	0	0.3	-1
11	SLV 11	1	1	0	0	0	0.3	1	0	-0.3	1
12	SLV 12	1	1	0	0	0	0.3	1	0	0.3	-1
13	SLV 13	1	1	0	0	0	1	-0.3	0	-1	0.3
14	SLV 14	1	1	0	0	0	1	-0.3	0	1	-0.3
15	SLV 15	1	1	0	0	0	1	0.3	0	-1	0.3
16	SLV 16	1	1	0	0	0	1	0.3	0	1	-0.3

Famiglia Calcolo rigidezza torsionale/flessionale di piano

Il nome compatto della famiglia è CRTFP.

Nome	Nome breve	Rig Ux	Rig Uy	Rig Rz
Rig. Ux+	CRTFP Ux+	1	0	0
Rig. Ux-	CRTFP Ux-	-1	0	0
Rig. Uy+	CRTFP Uy+	0	1	0
Rig. Uy-	CRTFP Uy-	0	-1	0
Rig. Rz+	CRTFP Rz+	0	0	1
Rig. Rz-	CRTFP Rz-	0	0	-1

3.3 Definizioni di carichi lineari

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Fx i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione X. [kN/m]*
***Fx f.**: valore finale della forza, per unità di lunghezza, agente in direzione X. [kN/m]*
***Fy i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Y. [kN/m]*
***Fy f.**: valore finale della forza, per unità di lunghezza, agente in direzione Y. [kN/m]*
***Fz i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Z. [kN/m]*
***Fz f.**: valore finale della forza, per unità di lunghezza, agente in direzione Z. [kN/m]*
***Mx i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse X. [kN]*
***Mx f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse X. [kN]*
***My i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Y. [kN]*
***My f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Y. [kN]*
***Mz i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Z. [kN]*
***Mz f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Z. [kN]*

Nome	Valori												
	Condizione	Fx i.	Fx f.	Fy i.	Fy f.	Fz i.	Fz f.	Mx i.	Mx f.	My i.	My f.	Mz i.	Mz f.
	Descrizione												
1	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Variabile H	0	0	0	0	0	0	0	0	0	0	0	0
	Vento	0	0	-3.4	-3.4	0	0	0	0	0	0	0	0
2	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	-1.1	-1.1	0	0	0	0	0	0
	Variabile H	0	0	0	0	0	0	0	0	0	0	0	0
	Vento	0	0	-1	-1	0	0	0	0	0	0	0	0

3.4 Definizioni di carichi superficiali

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Valore**: valore del carico per unità di superficie, nel caso il tipo sia "Verticale", "Verticale in proiezione", "Normale alla superficie". [kN/m²]*
***Cp vento**: valore del coefficiente di pressione Cp, nel caso il tipo sia "Cp vento". Il valore è adimensionale.*
***Tipo**: tipo di carico.*

Nome	Valori			
	Condizione	Valore	Cp vento	Tipo
	Descrizione			
COP INTERNA	Pesi strutturali	0.3		Verticale
	Permanenti portati	0.5		Verticale
	Variabile H	0.5		Verticale
	Vento	0		Verticale
COP ESTERNA	Pesi strutturali	0.3		Verticale
	Permanenti portati	0.5		Verticale
	Variabile H	0.55		Verticale
	Vento	1		Verticale
pavimento	Pesi strutturali	5		Verticale
	Permanenti portati	3		Verticale
	Variabile H	5		Verticale
	Vento	0		Verticale

4 Quote

4.1 Livelli

***Descrizione breve**: nome sintetico assegnato al livello.*
***Descrizione**: nome assegnato al livello.*
***Quota**: quota superiore espressa nel sistema di riferimento assoluto. [m]*
***Spessore**: spessore del livello. [m]*

Descrizione breve	Descrizione	Quota	Spessore
L1	Fondazione	0	0
L2	Piano 1	4.3	0
L3	Piano 2	9.3	0

4.2 Tronchi

***Descrizione breve**: nome sintetico assegnato al tronco.*
***Descrizione**: nome assegnato al tronco.*
***Quota 1**: riferimento della prima quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Quota 2**: riferimento della seconda quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*

Descrizione breve	Descrizione	Quota 1	Quota 2
T1	Fondazione - Piano 1	Fondazione	Piano 1
T2	Piano 1 - Piano 2	Piano 1	Piano 2

5 Elementi di input

5.1 Travi in acciaio

5.1.1 Travi in acciaio di piano

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [kN/m]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
			X	Y	X	Y										
IPE240	C	L2	-7.69	-0.1	-7.69	5.5	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	No	No	0.31	
IPE120	C	L2	27.25	3.4	27.25	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	27.25	2.3	27.25	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	27.25	1.1	27.25	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	

			X	Y	X	Y										
IPE120	C	L2	32.105	1.1	32.105	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	32.105	3.4	32.105	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	32.105	2.3	32.105	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE160_1	C	L2	29.7	2.3	34.51	2.3	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	-3.39	2.3	0.91	2.3	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	0.91	2.3	4.01	2.3	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	20.7	2.3	24.8	2.3	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	24.8	2.3	29.7	2.3	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	16.7	2.3	20.7	2.3	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	12.4	2.3	16.7	2.3	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	8.1	2.3	12.4	2.3	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	4.01	2.3	8.1	2.3	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	-7.69	2.3	-3.39	2.3	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE120	C	L2	32.105	4.45	32.105	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	32.105	-0.1	32.105	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
HEA180_1	C	L2	29.7	3.4	34.51	3.4	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.36	
IPE160_1	C	L2	29.7	4.45	34.51	4.45	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	29.7	1.1	34.51	1.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
HEA140	C	L2	29.7	5.5	34.51	5.5	0	S275	1; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
IPE160_1	C	L2	29.7	-0.1	34.51	-0.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE240	C	L2	34.51	-0.1	34.51	5.5	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	No	No	0.31	
IPE120	C	L2	-1.24	4.45	-1.24	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	-1.24	-0.1	-1.24	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	

			X	Y	X	Y										
HEA180_1	C	L2	-3.39	3.4	0.91	3.4	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.36	
IPE160_1	C	L2	-3.39	4.45	0.91	4.45	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	-3.39	1.1	0.91	1.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE120	C	L2	22.75	1.1	22.75	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	22.75	2.3	22.75	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	22.75	3.4	22.75	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	18.7	1.1	18.7	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	-8.69	1.1	-8.69	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE160_1	C	L2	-9.69	2.3	-7.69	2.3	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE120	C	L2	-8.69	4.45	-8.69	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	-8.69	-0.1	-8.69	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
HEA180_1	C	L2	-9.69	3.4	-7.69	3.4	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.36	
IPE160_1	C	L2	-9.69	4.45	-7.69	4.45	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	-9.69	1.1	-7.69	1.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
HEA140	C	L2	-9.69	5.5	-7.69	5.5	0	S275	1; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
IPE160_1	C	L2	-9.69	-0.1	-7.69	-0.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE240	C	L2	-9.69	-0.1	-9.69	5.5	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	No	No	0.31	
IPE120	C	L2	-5.54	3.4	-5.54	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	-5.54	2.3	-5.54	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	-5.54	1.1	-5.54	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	-1.24	3.4	-1.24	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
HEA140	C	L2	-3.39	5.5	0.91	5.5	0	S275	1; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
IPE120	C	L2	-1.24	2.3	-1.24	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	2.46	3.4	2.46	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	

			X	Y	X	Y										
IPE120	C	L2	2.46	2.3	2.46	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	2.46	1.1	2.46	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	6.055	3.4	6.055	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	6.055	2.3	6.055	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	6.055	1.1	6.055	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	10.25	3.4	10.25	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	10.25	2.3	10.25	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	10.25	1.1	10.25	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	14.55	3.4	14.55	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	14.55	2.3	14.55	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	14.55	1.1	14.55	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	18.7	3.4	18.7	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	18.7	2.3	18.7	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	-1.24	1.1	-1.24	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	-8.69	2.3	-8.69	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE160_1	C	L2	-3.39	-0.1	0.91	-0.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE120	C	L2	2.46	4.45	2.46	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE160_1	C	L2	16.7	4.45	20.7	4.45	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	12.4	4.45	16.7	4.45	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	8.1	4.45	12.4	4.45	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	-7.69	4.45	-3.39	4.45	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	4.01	4.45	8.1	4.45	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	24.8	1.1	29.7	1.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	16.7	1.1	20.7	1.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	12.4	1.1	16.7	1.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	

			X	Y	X	Y										
IPE160_1	C	L2	8.1	1.1	12.4	1.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	4.01	1.1	8.1	1.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	-7.69	1.1	-3.39	1.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
HEA140	C	L2	24.8	5.5	29.7	5.5	0	S275	1; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	L2	16.7	5.5	20.7	5.5	0	S275	1; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	L2	12.4	5.5	16.7	5.5	0	S275	1; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	L2	8.1	5.5	12.4	5.5	0	S275	1; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	L2	4.01	5.5	8.1	5.5	0	S275	1; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
HEA140	C	L2	-7.69	5.5	-3.39	5.5	0	S275	1; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
IPE160_1	C	L2	24.8	-0.1	29.7	-0.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	16.7	-0.1	20.7	-0.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	12.4	-0.1	16.7	-0.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	8.1	-0.1	12.4	-0.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	4.01	-0.1	8.1	-0.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	-7.69	-0.1	-3.39	-0.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE240	C	L2	29.7	-0.1	29.7	5.5	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L2	20.7	-0.1	20.7	5.5	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L2	16.7	-0.1	16.7	5.5	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L2	12.4	-0.1	12.4	5.5	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L2	8.1	-0.1	8.1	5.5	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L2	4.01	-0.1	4.01	5.5	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	No	No	0.31	
IPE160_1	C	L2	24.8	4.45	29.7	4.45	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	

			X	Y	X	Y										
HEA180_1	C	L2	-7.69	3.4	-3.39	3.4	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.36	
HEA180_1	C	L2	4.01	3.4	8.1	3.4	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.36	
HEA180_1	C	L2	8.1	3.4	12.4	3.4	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.36	
IPE120	C	L2	2.46	-0.1	2.46	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
HEA180_1	C	L2	0.91	3.4	4.01	3.4	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.36	
IPE160_1	C	L2	0.91	4.45	4.01	4.45	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	0.91	1.1	4.01	1.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
HEA140	C	L2	0.91	5.5	4.01	5.5	0	S275	1; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
IPE160_1	C	L2	0.91	-0.1	4.01	-0.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE240	C	L2	0.91	-0.1	0.91	5.5	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	No	No	0.31	
IPE120	C	L2	22.75	4.45	22.75	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	22.75	-0.1	22.75	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
HEA180_1	C	L2	20.7	3.4	24.8	3.4	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.36	
IPE160_1	C	L2	20.7	4.45	24.8	4.45	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE160_1	C	L2	20.7	1.1	24.8	1.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
HEA140	C	L2	20.7	5.5	24.8	5.5	0	S275	1; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.25	
IPE160_1	C	L2	20.7	-0.1	24.8	-0.1	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.16	
IPE240	C	L2	-3.39	-0.1	-3.39	5.5	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	No	No	0.31	
IPE240	C	L2	24.8	-0.1	24.8	5.5	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	No	No	0.31	
IPE120	C	L2	18.7	4.45	18.7	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	14.55	4.45	14.55	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	10.25	4.45	10.25	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	-5.54	4.45	-5.54	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	

			X	Y	X	Y										
IPE120	C	L2	6.055	4.45	6.055	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	27.25	-0.1	27.25	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	18.7	-0.1	18.7	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	14.55	-0.1	14.55	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	10.25	-0.1	10.25	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	6.055	-0.1	6.055	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	-5.54	-0.1	-5.54	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
HEA180_1	C	L2	24.8	3.4	29.7	3.4	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.36	
HEA180_1	C	L2	16.7	3.4	20.7	3.4	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.36	
HEA180_1	C	L2	12.4	3.4	16.7	3.4	0	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.36	
IPE120	C	L2	27.25	4.45	27.25	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	
IPE120	C	L2	-8.69	3.4	-8.69	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.1	

5.2 Travi tiranti in acciaio

5.2.1 Travi tiranti in acciaio di piano

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [kN/m]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
			X	Y	X	Y										
L60*5_1	C	L2	-7.69	-0.1	-5.54	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	4.01	3.4	6.055	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-3.39	3.4	-1.24	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-5.54	4.45	-3.39	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	

			X	Y	X	Y										
L60*5_1	C	L2	-7.69	3.4	-5.54	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-7.69	2.3	-5.54	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	32.105	1.1	34.51	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	29.7	2.3	32.105	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	27.25	1.1	29.7	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	6.055	4.45	8.1	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	24.8	2.3	27.25	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	20.7	2.3	22.75	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	18.7	1.1	20.7	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	16.7	2.3	18.7	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	14.55	1.1	16.7	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	12.4	2.3	14.55	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	10.25	1.1	12.4	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	8.1	2.3	10.25	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	6.055	1.1	8.1	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	22.75	1.1	24.8	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	4.01	2.3	6.055	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	8.1	3.4	10.25	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	12.4	3.4	14.55	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-9.69	2.3	-8.69	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-8.69	1.1	-7.69	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-8.69	4.45	-7.69	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-9.69	5.5	-8.69	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-8.69	1.1	-7.69	-0.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-9.69	-0.1	-8.69	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	32.105	4.45	34.51	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	29.7	3.4	32.105	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	

			X	Y	X	Y										
L60*5_1	C	L2	10.25	4.45	12.4	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-1.24	4.45	0.91	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	0.91	3.4	2.46	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	22.75	4.45	24.8	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	20.7	3.4	22.75	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	27.25	4.45	29.7	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	24.8	3.4	27.25	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	18.7	4.45	20.7	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	16.7	3.4	18.7	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	14.55	4.45	16.7	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	2.46	4.45	4.01	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	2.46	1.1	4.01	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	0.91	2.3	2.46	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-1.24	1.1	0.91	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	16.7	5.5	18.7	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	16.7	-0.1	18.7	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	18.7	1.1	20.7	-0.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	14.55	4.45	16.7	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	12.4	5.5	14.55	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	12.4	-0.1	14.55	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	14.55	1.1	16.7	-0.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	10.25	4.45	12.4	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	18.7	4.45	20.7	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	8.1	5.5	10.25	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	10.25	1.1	12.4	-0.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	6.055	4.45	8.1	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	4.01	5.5	6.055	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	

			X	Y	X	Y										
L60*5_1	C	L2	4.01	-0.1	6.055	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	6.055	1.1	8.1	-0.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-5.54	4.45	-3.39	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-7.69	5.5	-5.54	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-5.54	1.1	-3.39	-0.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	8.1	-0.1	10.25	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	27.25	1.1	29.7	-0.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	24.8	-0.1	27.25	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	24.8	5.5	27.25	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-3.39	2.3	-1.24	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-5.54	1.1	-3.39	2.3	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	32.105	4.45	34.51	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	29.7	5.5	32.105	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	29.7	-0.1	32.105	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	32.105	1.1	34.51	-0.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-1.24	4.45	0.91	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-3.39	5.5	-1.24	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-3.39	-0.1	-1.24	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-1.24	1.1	0.91	-0.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	2.46	4.45	4.01	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	0.91	5.5	2.46	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	0.91	-0.1	2.46	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	2.46	1.1	4.01	-0.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	22.75	4.45	24.8	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	20.7	5.5	22.75	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	20.7	-0.1	22.75	1.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	22.75	1.1	24.8	-0.1	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	

			X	Y	X	Y										
L60*5_1	C	L2	27.25	4.45	29.7	5.5	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-9.69	3.4	-8.69	4.45	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	
L60*5_1	C	L2	-8.69	4.45	-7.69	3.4	0	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.05	

5.2.2 Travi tiranti in acciaio tra quote

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Quota i.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Quota f.**: quota del punto di inserimento finale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto i.**: punto di inserimento iniziale.*
* ***X**: coordinata X. [m]*
* ***Y**: coordinata Y. [m]*
***Punto f.**: punto di inserimento finale.*
* ***X**: coordinata X. [m]*
* ***Y**: coordinata Y. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [kN/m]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Quota i.	Quota f.	Punto i.		Punto f.		Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
				X	Y	X	Y									
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	8.1	-0.1	8.1	5.5	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	8.1	5.5	8.1	-0.1	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	34.51	-0.1	34.51	5.5	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	34.51	5.5	34.51	-0.1	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	16.7	-0.1	16.7	5.5	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1

				X	Y	X	Y									
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	16.7	5.5	16.7	-0.1	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	20.7	-0.1	24.8	-0.1	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	24.8	-0.1	20.7	-0.1	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	20.7	5.5	24.8	5.5	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	24.8	5.5	20.7	5.5	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	-9.69	5.5	-9.69	-0.1	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	-9.69	-0.1	-9.69	5.5	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	4.01	5.5	0.91	5.5	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	0.91	5.5	4.01	5.5	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1

				X	Y	X	Y									
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	4.01	-0.1	0.91	-0.1	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1
A3; UPN100; 0.01; 2 Bulloni; S275; 0.6; 0.01; 0.02; 0.03; 0.02; EC 8.8; 0.012	C	L1	L2	0.91	-0.1	4.01	-0.1	S275	Nessuno; G	Nessuno; Asse locale 2	0	No	Svincolo: M2, M3	Svincolo: M2, M3	0.21	CAL1

5.3 Calastrelli

5.3.1 Calastrelli con 2 bulloni unica direzione

***Descrizione breve**: descrizione breve usata nelle tabelle dei capitoli delle travi e colonne di acciaio.*
***Materiale**: riferimento ad una definizione di materiale acciaio per il calastrello.*
***Descrizione**: descrizione o nome assegnato all'elemento.*
***Passo**: interasse tra i calastrelli. [m]*
***Spessore**: spessore del calastrello. [m]*
***Pinza X locale**: distanza tra il centro del bullone e il bordo del calastrello misurata parallelamente all'asse X locale. [m]*
***Interasse**: distanza tra due bulloni consecutivi. [m]*
***Pinza Z locale**: distanza tra il centro del bullone e il bordo del calastrello misurata parallelamente all'asse Z locale. [m]*
***Tipo bullone**: classe del bullone.*
***Diametro**: diametro del bullone. Il valore è espresso in m. [m]*

Descrizione breve	Materiale	Passo	Spessore	Pinza X locale	Interasse	Pinza Z locale	Tipo bullone	Diametro
	Descrizione							
CAL1	S275	0.6	0.01	0.02	0.03	0.02	EC 8.8	1.2

5.4 Colonne in acciaio

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sezione**: sezione in acciaio.*
***Ang.**: angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***P.i.**: posizione del punto di inserimento rispetto alla geometria della sezione. SS=Sinistra-sotto, SC=Sinistra-centro, SA=Sinistra-alto, CS=Centro-sotto, CC=Centro-centro, CA=Centro-alto, DS=Destra-sotto, DC=Destra-centro, DA=Destra-alto*
***Punto**: posizione del punto di inserimento rispetto alla geometria della sezione.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Mat.**: riferimento ad una definizione di materiale acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***ΔT**: variazione termica.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Tr.	Sezione	Ang.	P.i.	Punto		Mat.	Car.lin.	ΔT	Sovr.	S.Z	C.i.	C.f.	Cal.
				X	Y								
T1	HEA180_1	0	CC	-7.69	5.5	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	22.16	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	24.61	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	31.96	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	34.41	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	

				X	Y								
T1	HEA180_1	0	CC	24.8	-0.1	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	24.8	5.5	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	27.06	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	29.51	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	19.71	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	0.91	-0.1	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	0.11	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	2.56	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	-3.39	-0.1	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	-3.39	5.5	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	-4.79	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	-2.34	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	34.51	-0.1	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	34.51	5.5	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	0.91	5.5	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	-9.69	5.5	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	17.26	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	12.36	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	-7.69	-0.1	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	4.01	-0.1	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	4.01	5.5	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	8.1	-0.1	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	8.1	5.5	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	12.4	-0.1	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	12.4	5.5	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	16.7	-0.1	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	14.81	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	

				X	Y								
T1	HEA180_1	0	CC	16.7	5.5	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	20.7	5.5	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	29.7	-0.1	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	29.7	5.5	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	5.01	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	-7.24	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	-9.69	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	7.46	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T2	EN10219 160x80x4	0	CC	9.91	3.4	S355	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	20.7	-0.1	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	
T1	HEA180_1	0	CC	-9.69	-0.1	S275	Nessuno; G	acciaio protetta; Asse locale 2	0	No	Svincolo: M2, M3	No	

5.5 Piastre C.A.

5.5.1 Piastre C.A. di piano

***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Sp.**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [m]*
***Punti**: punti di definizione in pianta.*
***I.**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Mat.**: riferimento ad una definizione di calcestruzzo.*
***Car.sup.**: riferimento alla definizione di un carico superficiale. Accetta anche il valore "Nessuno".*
***Car.pot.**: riferimento alla definizione di un carico potenziale. Accetta anche il valore "Nessuno".*
***ΔT**: riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***P.sup.**: peso per unità di superficie. [kN/m²]*
***Fond.**: riferimento alla fondazione sottostante l'elemento.*
***Fori**: riferimenti a tutti gli elementi che forano la piastra.*

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	ΔT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
L1	0.4	1	-10.19	-0.6	0	C32/40_1	pavimento			0	No	10		
		2	35.01	-0.6										
		3	35.01	6										
		4	-10.19	6										

5.6 Fondazioni di piastre

***Descrizione breve**: descrizione breve usata nelle tabelle dei capitoli delle piastre di fondazione.*
***Stratigrafia**: stratigrafia del terreno nel punto medio in pianta dell'elemento.*
***Sondaggio**: è possibile indicare esplicitamente un sondaggio definito nelle preferenze oppure richiedere di estrapolare il sondaggio dalla definizione del sito espressa nelle preferenze.*
***Estradosso**: distanza dalla quota superiore del sondaggio misurata in verticale con verso positivo verso l'alto. [m]*
***Deformazione volumetrica**: valore della deformazione volumetrica impiegato nel calcolo della pressione limite a rottura con la formula di Vesic. Il valore è adimensionale. Accetta anche il valore di default espresso nelle preferenze.*
***Angolo pendio**: angolo del pendio rispetto l'orizzontale; il valore deve essere positivo per opere in sommità di un pendio mentre deve essere negativo per opere al piede di un pendio. [deg]*
***K verticale**: coefficiente di sottofondo verticale del letto di molle. [kN/m³]*
***Limite compressione**: pressione limite di plasticizzazione a compressione del letto di molle. [kN/m²]*
***Limite trazione**: pressione limite di plasticizzazione a trazione del letto di molle. [kN/m²]*

Descrizione breve	Stratigrafia			Angolo pendio	K verticale	Limite compressione	Limite trazione
	Sondaggio	Estradosso	Deformazione volumetrica				
FS1	Piu' vicino in sito	0		0	10000	1000	0.1

5.7 Carichi lineari

5.7.1 Carichi lineari di piano

***Carico**: riferimento alla definizione di un carico lineare.*
***Livello**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*

Carico	Livello	Punto i.		Punto f.		Estr.
		X	Y	X	Y	
2	Piano 1	-9.69	3.4	34.51	3.4	0

5.8 Carichi superficiali

5.8.1 Carichi superficiali di piano

***Carico**: riferimento alla definizione di un carico di superficie.*
***Solaio**: caratteristiche dell'eventuale solaio.*
***Liv.**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punti**: punti di definizione in pianta.*
***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Angolo**: direzione delle nervature che trasmettono il carico.Angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Comp.**: descrizione sintetica del comportamento del carico superficiale o, nel caso di comportamento membranale, riferimento alla decrizione analitica della membrana.*
***Fori**: riferimenti a tutti gli elementi che forano il carico superficiale.*

Carico	Solaio	Liv.	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
COP INTERNA		L2	1	34.51	-0.1	0	90	Nessuno	
			2	34.51	3.4				
			3	-9.69	3.4				
			4	-9.69	-0.1				
COP ESTERNA		L2	1	34.51	3.4	0	90	Nessuno	
			2	34.51	5.5				
			3	-9.69	5.5				
			4	-9.69	3.4				

5.9 Vincoli

5.9.1 Vincoli di piano

***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [m]*
***Punto**: punto di inserimento.*
***X**: coordinata X. [m]*
***Y**: coordinata Y. [m]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [m]*
***Ux**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN/m]*
***Uy**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN/m]*
***Uz**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN/m]*
***Rx**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN·m/deg]*
***Ry**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN·m/deg]*
***Rz**: limitazione al GDL oppure rigidezza della molla elastica-lineare. [kN·m/deg]*

Livello	Punto		Estr.	Ux	Uy	Uz	Rx	Ry	Rz
	X	Y							
L3	-9.69	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	2.56	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	0.11	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	29.51	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	27.06	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	34.41	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato

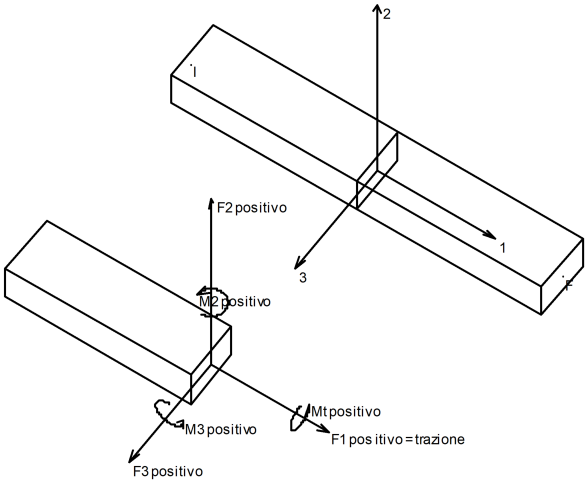
	X	Y							
L3	31.96	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	24.61	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	-4.79	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	22.16	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	17.26	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	14.81	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	12.36	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	9.91	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	7.46	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	5.01	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	-7.24	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	19.71	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato
L3	-2.34	3.4	0	Bloccato	Bloccato	Libero	Libero	Libero	Bloccato

6 Sollecitazioni aste

6.1 Convenzioni di segno aste

Le abbreviazioni relative alle sollecitazioni sugli elementi aste sono da intendersi:

- F1 (N): sforzo normale nell'asta;
- F2: sforzo di taglio agente nella direzione dell'asse locale 2;
- F3: sforzo di taglio agente nella direzione dell'asse locale 3;
- M1 (Mt): momento attorno all'asse locale 1; equivale al momento torcente;
- M2: momento attorno all'asse locale 2;
- M3: momento attorno all'asse locale 3.



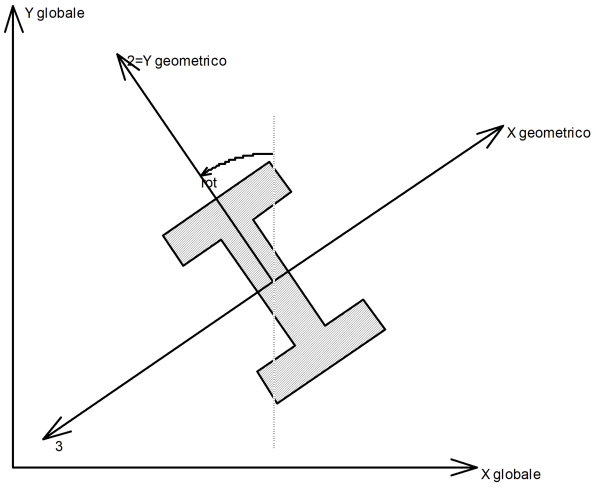
La convenzione sui segni per i parametri di sollecitazione delle aste è la seguente:
presa un'asta con nodo iniziale i e nodo finale f, asse 1 che va da i a f, assi 2 e 3 presi secondo quanto indicato nei paragrafi successivi relativi al sistema locale delle aste sezionando l'asta in un punto e considerando la sezione sinistra del punto in cui si è effettuato il taglio (sezione da cui esce il versore asse 1) i parametri di sollecitazione sono positivi se hanno verso e direzione concordi con il sistema di riferimento locale dell'asta 1, 2, 3 (per i momenti si adotta la regola della mano destra).

Il sistema è definito diversamente per tre categorie di aste, a seconda che siano originate da:

- aste verticali ad esempio pilastri e colonne;
- aste non verticali non di c.a., ad esempio travi di acciaio o legno;
- aste non verticali in c.a.: travi in c.a. di piano, falda o a quota generica.

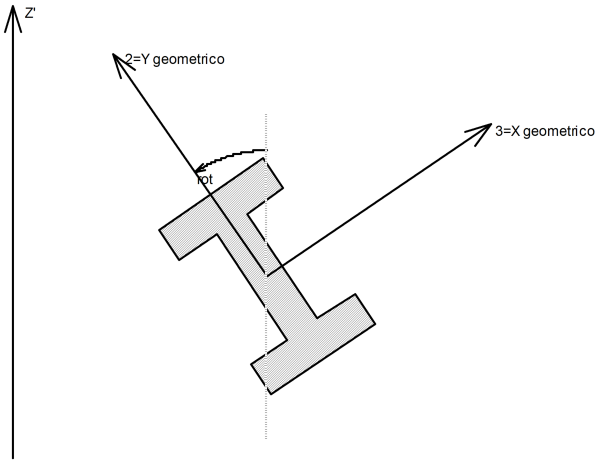
Nel seguito si indica con 1, 2 e 3 il sistema locale dell'asta che non sempre coincide con gli assi principali della sezione. Si ricorda che per assi principali si intendono gli assi rispetto a cui si ha il raggio di inerzia minimo e massimo. Gli assi 1, 2 e 3 rispettano la regola della mano destra.

Sistema locale aste verticali



Nella figura si considera l'asse 1 uscente dal foglio (l'osservatore guarda in direzione opposta a quella dell'asse 1).

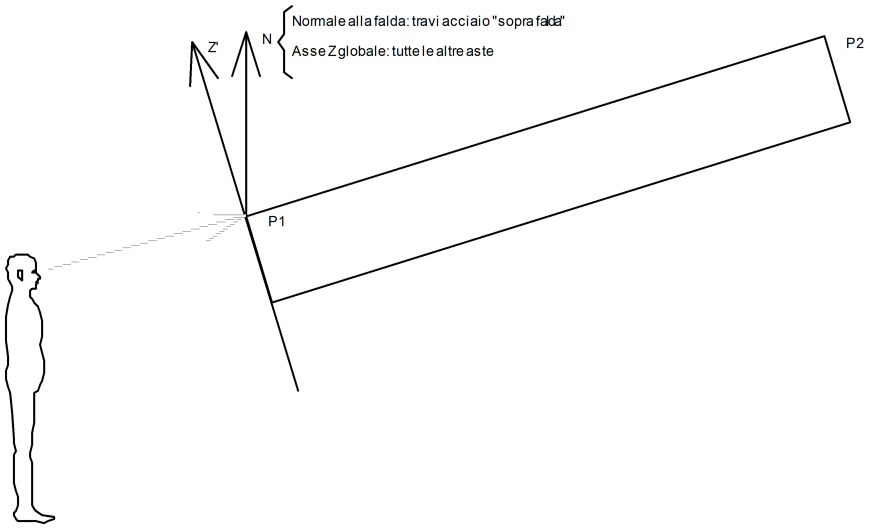
Sistema locale aste non verticali



Nella figura si considera l'asse 1 entrante nel foglio (l'osservatore guarda in direzione coincidente a quella dell'asse 1).

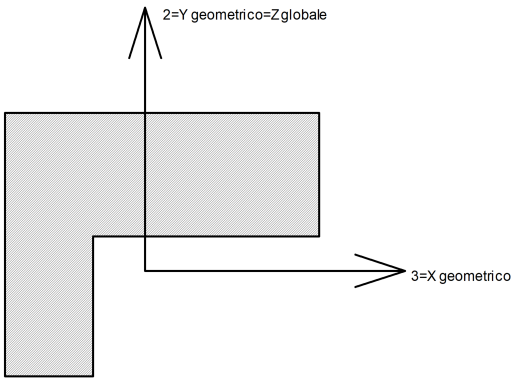
L'asse Z' è illustrato nella figura seguente dove:

- P1 è il punto di inserimento iniziale dell'asta;
- P2 è il punto di inserimento finale dell'asta;
- N è la normale al piano o falda di inserimento;



Z' è quindi l'intersezione tra il piano passante per P1, P2 contenente N e il piano della sezione iniziale dell'asta.

Sistema locale aste derivanti da travi in c.a.



Nella figura si considera l'asse 1 entrante nel foglio (l'osservatore guarda in direzione coincidente a quella dell'asse 1). L'asse 2 è sempre verticale e quindi coincidente con l'asse Z globale nonché con l'asse y geometrico. L'asse 3 coincide con l'asse x geometrico. . Si sottolinea il fatto che gli assi 2 e 3 non corrispondono agli assi principali della sezione.